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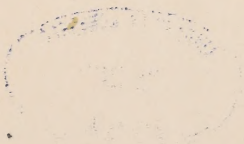
1876
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Joseph Breck & Sons



Garden Field & Flower

MAYER MERKEL & OTTMANN LITH. NEW YORK



Annual Descriptive Catalogue

ESTABLISHED 1822

Seeds &c.

·51·52·&·53·
NORTH MARKET ST.

BOSTON, MASS. U.S.A.

Joseph Breck & Sons

February 1, 1886.

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BOSTON, MASS., U. S. A.



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WITH friendly greetings and best wishes we again hand you our Seed Annual, confident, as we do so, that our efforts to place before our readers a "Catalogue and Gardener's Guide" that will bring before them, in pleasing and useful form, "*Everything for the Farm, Garden, and Lawn*," will be appreciated by our many friends and patrons. Those acquainted with our former publications will perceive that our entire book has been carefully revised, and while affording reasonable space to all standard varieties, of whose merits we have become assured, we have eliminated from our list all those sorts which are now supplanted by newer and better kinds. Our descriptions and cultural directions, while brief, will be found accurate and practical, and success cannot fail to attend the efforts of the least experienced cultivator who carefully studies and follows them.

Agricultural Grasses.— Special attention is requested to our Treatise on these, which will be found on pages 44 to 57 inclusive. The subject is indeed most important and well worthy the careful consideration and study of all interested in this department of agriculture.

Novelties.— We always take great pleasure in introducing new varieties, either vegetable or flower; and the present year we are particularly fortunate in being able to offer to our customers many novelties and specialties, which promise to become valuable acquisitions. It is always our aim to protect our patrons, as far as we may be able to do so, against disappointment, and we will never recommend any new variety unless we have just reason to believe it distinct in character and of superior merit.

How we Test Seeds.— No matter how experienced and successful a cultivator may be, good crops cannot be obtained unless the best of seed is planted. Fully realizing this fact, we exercise the greatest care that all our stocks shall be fresh, true to name, of strong vitality, and of choicest quality. Our facilities for ascertaining if the seeds which we offer possess these necessary qualities are probably unexcelled, if, indeed, they are equalled, by any other house in this country. During the past season we have fitted up in our establishment on North Market Street a testing-room, in which we are able to make a practical earth test of every parcel of seed that is received into our establishment. A certain number of seeds of each are planted, and if they do not show a high percentage of growth, the stock from which the sample is taken is at once condemned, returned to the grower, or destroyed. We do not, however, confine our trials to ascertaining the percentage of growth, but have extensive trial gardens in which we test for trueness of type. By this latter test we know the worth of every variety, and which are the superior strains of the different sorts, thus enabling us to select the very best for distribution.

Warranty of Seeds.— While, as it will be seen by the preceding remarks, no efforts are spared on our part to send out seeds that are unsurpassed in quality, we wish it distinctly understood that we limit our responsibility to the value paid for the seeds The success or failure of a crop is more dependent on climatic or local influences than is generally supposed. We wish it therefore understood, that we neither warrant description, growth, or productiveness, of any seeds we sell, and do not hold ourselves in any way accountable for the crop.

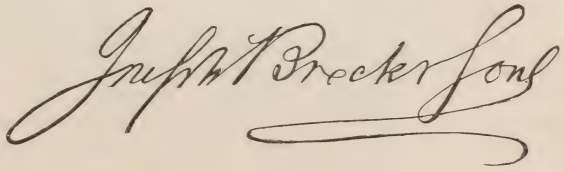
Our Colored Plates will speak for themselves as to their artistic merit, and the original drawings having been made from actual growths, they are necessarily true to nature in their general portrayal. We have aimed to make our book a "thing of beauty,"— appropriate on the tables of rich and poor alike.

Prices. — Our seed crops having turned out satisfactorily as to quality, and fairly so as to quantity, during the past season, we are enabled to offer strains of unusual excellence at prices which we think will compare favorably with those of any other reliable house. No matter how fierce competition may be, we shall maintain our reputation for offering seeds of superior quality, and to this end we will not reduce our prices below a standard at which choice stocks can be produced and sold.

The generous patronage accorded us during the past season, is indeed a most gratifying evidence that our friends and customers appreciate our efforts to serve them acceptably, and we shall certainly during the present season spare no efforts to fill all orders with promptness, despatch, and to the entire satisfaction of the purchaser.

With many thanks for past favors, we remain,

Yours very respectfully,



SUGGESTIONS TO PURCHASERS.

Orders. — All orders are booked, assorted, and filed the day they are received, and dispatched the day following. Our excellent system and large force of skilled employees enables us to execute orders promptly, even in the height of the busy season. We would earnestly request our friends, in making up their orders, to be particular to give their names, post-office address, and State, in full, distinctly written. We are often in receipt of orders from customers who not only forget to sign their names, but also to give their place of residence,—thus causing a delay of weeks in the execution of their orders, and sometimes it is impossible for us to fill them at all, not knowing where to address the package. The order-sheet, enclosed with each Catalogue, will be found much more convenient than an ordinary sheet of paper, and by using the addressed envelope there will be much less danger of orders being miscarried.

The Arrival of Packages Guaranteed. — We guarantee the safe arrival of packages of Seeds, Bulbs, and Plants, in every case. If a package fails to reach a customer, we will send again as soon as informed of the fact. We do not consider ourselves held by this guarantee unless complaints are made within a reasonable time. Sometimes it happens that orders never reach us. When customers fail to receive their Seeds, Bulbs, or Plants in a reasonable time, they should inform us, and at the same time send a copy of their order, which can be filled at once, and save much delay.

Shipping Directions. — *We particularly request* our patrons to state whether it will be convenient for them to receive their orders by express, and *give* their *nearest express office.* Where no particular mode of transportation is designated, we shall exercise our best judgment, and forward by express, freight, or mail, as may seem to us most advisable.

Change of Address. — Should you make any change in your permanent address, please notify us, so that we may be able to forward our Catalogues with regularity.

Recommendation. — The favor of your kind recommendation of our house to any of your friends in want of Seeds, Plants, Bulbs, or requisites for the Farm, Garden, and Lawn, is respectfully solicited.

Errors. — We take the utmost care in filling orders, always striving to do a little more for our friends and patrons than justice and fair dealing require. In case an error is made, we desire to be informed of the fact, and promise to make such corrections as will be perfectly satisfactory.

Remittances. — In making remittances, purchasers will be particular to *send a sufficient amount to cover their orders.* Where sufficient money is not sent to cover the quantity of goods ordered, *we shall limit the shipment to the amount of money sent.* We are compelled to adopt this rule on account of the inconvenience and expense of collecting small balances. We guarantee the safe arrival of all remittances when made by draft on New York, registered letter, express, or post-office order. We pay the expense of sending money in any of the above ways, and the cost of sending may be deducted from the amount

forwarded. We never send goods C. O. D. unless sufficient money is sent to prepay expressage, and thus protect us from loss in case the consignee should not take the goods from the express company, which sometimes happens.

Copyright. — This word on the title page of our Catalogue, and under many of our new illustrations, means that we have legally protected the reading matter and certain engravings as our *exclusive property*, and reserve all rights in same.

Correspondence. — We always endeavor to answer promptly every question asked us, but as our mail from January until May is very large, and the strain of work upon ourselves and our assistants is very great, we therefore request our customers who have questions to ask during these months, to state them as briefly as possible, and to keep them entirely distinct from orders. It is best to write the questions on a separate sheet of paper, not forgetting to sign your *name and address plainly.*

Seeds by Mail. — All seeds ordered at ounce or packet prices are sent free. When ordered in larger quantities, postage must be added at the rate of 16 cents per pound. Beans, Peas, and Corn require 15 cents per pint, 30 cents per quart, extra, to cover postage ; small ears of Sweet Corn 5 cents, large ears 10 cents, and Field Corn 10 cents per ear, extra, for postage.

Gardeners' Register. — Receiving a great many applications from those in want of experienced Gardeners, and realizing the importance of having men of character and ability to fill positions of this kind, we have established a bureau or Gardeners' Register, and are now prepared to assist gentlemen to obtain Farmers, Gardeners, Foresters, etc. We admit to our Register only men of well-known integrity, and who can furnish the best of references. Correspondence solicited.

Joseph Breck & Sons' Publications.

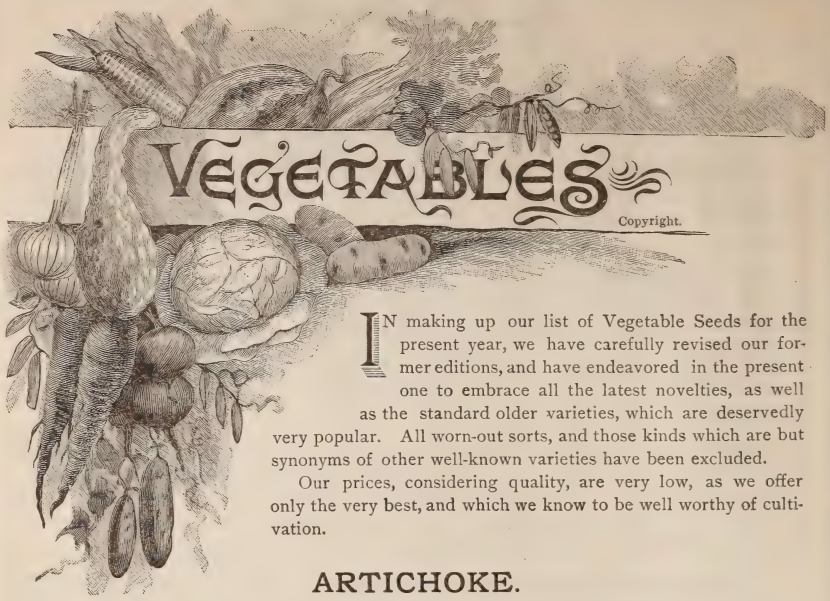
Illustrated Catalogue and Gardener's Guide. Containing over 160 pages, descriptive of the choicest and most desirable varieties of Vegetable, Field and Flower Seeds, with full directions and suggestions for their cultivation, with several elegantly Colored Plates ; also select lists of Bulbs, Plants, Shrubs, Fruit and Ornamental Trees, Agricultural Implements and Machines, Fertilizers, &c., in fact, "Everything for the Farm, Garden, and Lawn." Will be mailed free to all persons sending 5 cts., to pay postage. Published in January.

Illustrated and Descriptive Catalogue of Agricultural Implements and Machines. Over 150 pages, sent free on receipt of 5 cts., to pay postage. This Catalogue contains a full description of all the leading Farm and Garden Implements and Machines, handsomely illustrated. A book of great value to every farmer. Published in March.

Illustrated and Descriptive Catalogue of Ice Tools. Very complete. Sent free on application. Issued in October.

Fall Catalogue of Flower Bulbs. A complete cultural and descriptive list of the newest and most desirable Bulbous-rooted Plants, both native and foreign, — Lilies, Daffodils, Hyacinths, Tulips, etc. Fully illustrated with engravings, and containing a beautiful Colored Plate of Bulbous Plants. Free on application. Published in August.

Special Market Gardeners' List. Containing Prices of Garden Seeds for Market Gardeners and others who use large quantities. Sent free on application. Issued in February.



IN making up our list of Vegetable Seeds for the present year, we have carefully revised our former editions, and have endeavored in the present one to embrace all the latest novelties, as well as the standard older varieties, which are deservedly very popular. All worn-out sorts, and those kinds which are but synonyms of other well-known varieties have been excluded.

Our prices, considering quality, are very low, as we offer only the very best, and which we know to be well worthy of cultivation.

ARTICHOKE.

German, *Artischoke.* — French, *Artichaut.* — Spanish, *Alcachofa.*

If by mail in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow the seed in April, in drills an inch and a half deep, and one foot apart. Slightly protect in Winter, and the next Spring separate the offsets, and transplant three or four into hills, two feet between the plants, in rows three feet apart. The flower-heads are boiled until tender, and served with butter, pepper, and salt, or, when very young, as salad.

	Pkt.	Oz.	Lb.
Large Globe, the best variety	.05	.30	$3.00

ASPARAGUS.

German, *Spargel.* — French, *Asperge.* — Spanish, *Esparragos.*

(For price on Asparagus Roots, see Vegetable Plants.)

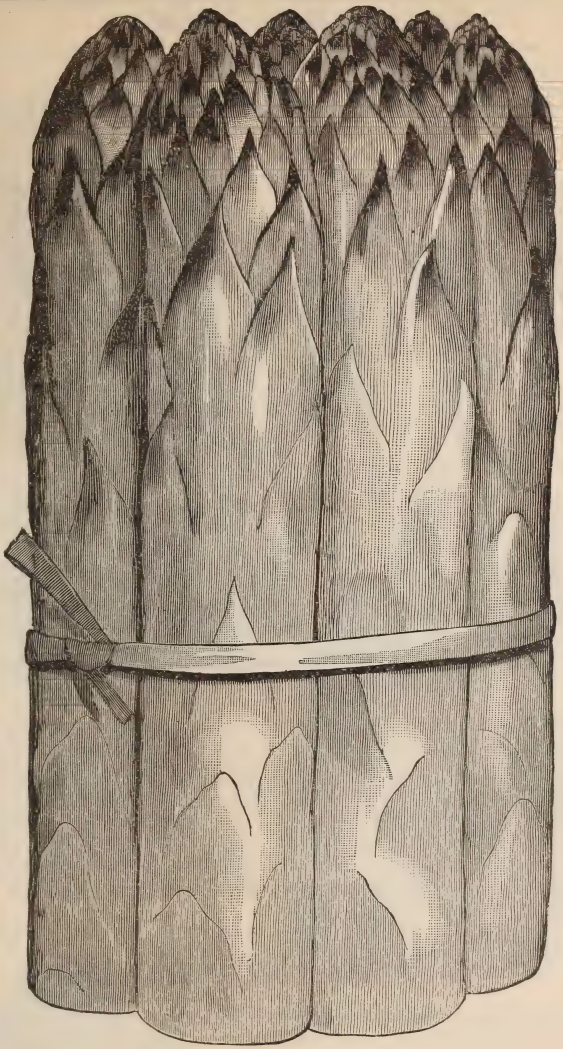
If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow the seed as early in the Spring as the ground can be worked, in drills one foot apart, covering the seed about one inch deep. Thin the plants to three inches in the row. The roots may be removed to the permanent bed when one or two years old. In preparing the ground no pains should be spared, as a well-established and carefully cultivated Asparagus bed will continue in good condition for twenty-five years or more. Select deep, rich, mellow soil, and trench the ground two feet deep, using a liberal quantity of well-decomposed manure, with a small admixture of common salt. Set the roots so that the crowns will be three or four inches below the surface of the ground. Apply a dressing of manure in Autumn (rotten kelp is excellent), digging the same into the ground in the Spring, taking care not to injure the roots. The bed will produce shoots fit for cutting the second or third year after transplanting. An occasional application of salt will be found beneficial.

	Pkt.	Oz.	Lb.
HUB ASPARAGUS. (See Novelties.)	.15	.30	$4.00
Conover's Colossal, an improved variety of very large size	.05	.10	1.00

NOVELTIES and SPECIALTIES

In VEGETABLE SEEDS for 1886.



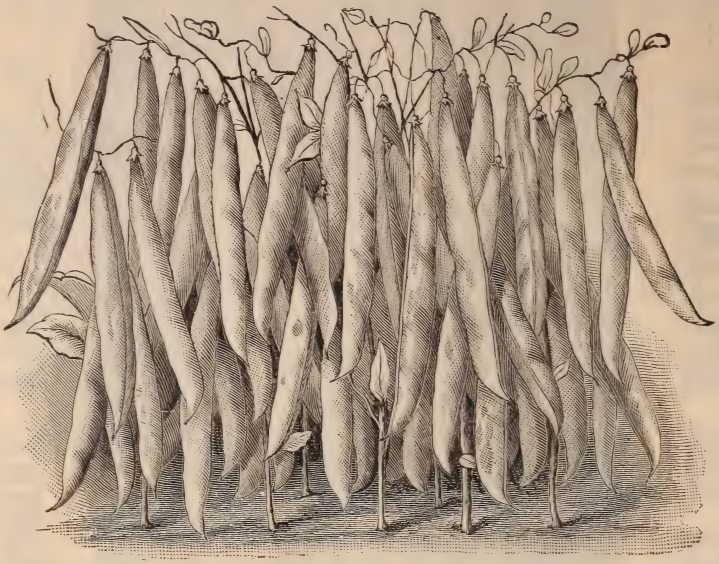
THE HUB.

ASPARAGUS.—The Hub

Another years' experience with "The Hub" Asparagus has only served to more thoroughly convince us of the great value of this splendid variety. During the past season "The Hub" has been tried side by side, and subjected to the same treatment, with other well-known varieties, and we are glad to say has again proved itself to possess the essential advantages of earliness, yield, quality, and fineness of growth over all others. "The Hub" is very productive, tender to the stem, and of a delicious flavor. Shoots placed on exhibition at some of our leading restaurants have attracted much attention. A bundle of 25 double shoots, weighing 18 lbs., sold for $5.00; the whole crop bringing four times the price of any other variety. Our stock of the seeds and shoots is limited; and we would request all our friends, especially those whose orders we could not fill last season, owing to stock becoming exhausted, to write us early for their supplies.

	Pkt.	Oz.		Per 100.
"The Hub" Asparagus	$0.15	$0.30	"The Hub" Asparagus Roots	$1.50

BRECK'S IMPROVED HORTICULTURAL BEAN.



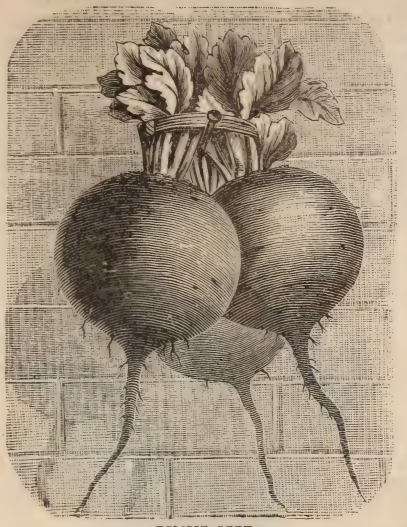
We feel greatly gratified to know that this new variety, named and introduced by us last season, has verified the representations we made for it in our Annual of '85. Its wonderful productiveness, delicious flavor, and vigorous growth, have all combined to make it a favorite with the market-gardeners, many of whom claim that they were able to obtain nearly double the price for Breck's Improved that they received for other varieties. As a Snap or Shell Bean it has no superior, while its size and productiveness, together with its quality, make it of great value for either market-gardeners or general cultivation. Our cut, which is taken from a photograph, will give an idea of the enormous yield which is produced by a single plant. Price, per pint, 20 cts.; per quart 40 cts.; per peck, $1.75.

LOW'S CHAMPION BUSH BEAN.

This new variety of Bush Bean is well adapted to the table, garden, and market, being entirely stringless, extremely tender, and of exquisite flavor; pods light-green in color, large and long in shape, containing five to eight beans each. It is wonderfully productive, — seven and a half bushels, clean hand-picked seed Beans, having been picked from one-eighth of an acre. Price, per packet, 10 cts.; per pint, 20 cts.; per quart, 40 cts.

GOLDEN BUTTER POLE, or TALL MONT D'OR.

A new German Wax variety. Seed, dark-purplish, round, medium sized; hardy, vigorous; one of the earliest of the Pole varieties. Very prolific; pods resembling Black Wax Pole, but of superior quality. We consider this a great improvement on Black Wax Pole in hardiness, earliness, productiveness, and quality of pods. Price, per packet, 10 cts.; per pint, 20 cts.; per quart, 40 cts.



ECLIPSE BEET.

ECLIPSE BEET.

This variety has proved itself to be one of the best early Turnip Beets yet introduced, and where its many excellencies have become fully known it has become very popular. It resembles somewhat the Egyptian in shape, and matures about the same time, but different from the Egyptian—the merit of which consists almost solely in its earliness; the Eclipse possesses the additional advantages of size, productiveness, and superior quality. The Beets produced are of a bright scarlet color, very smooth and globular in shape, with firm small tops. It is very desirable for market-gardeners on account of its extreme earliness.

Per pkt., 5 cts.; per oz., 15 cts.; per lb., $1.25.

WARREN'S STONE MASON CABBAGE.

This variety is an improvement on the old strain of Stone Mason, having been trained by a well known market-gardener of Marblehead. It is nearly as early as Fottler's Brunswick, much rounder in shape, and extremely solid. It is a most excellent keeper, and is unsurpassed for shipping purposes. It is a most excellent variety for retailing or to sell by the barrel, as it is very heavy and of the finest quality. In has become very popular in this section, and we recommend it highly.

Per pkt., 5 cts.; per oz., 40 cts.; per lb., $4.00.



WARREN'S STONE MASON CABBAGE.



DEEP HEAD BRUNSWICK CABBAGE.

DEEP HEAD BRUNSWICK CABBAGE.

This new cabbage, carefully selected and trained for a number of years, cannot fail to give the best of satisfaction. It grows very solid, and, as its name indicates, it is much deeper through than the common Brunswick. This feature makes it especially valuable to the gardener and dealer, as it weighs much heavier and allows a smaller number of heads to the barrel. For keeping in cellars for Winter use it is far superior to the Fottler's, and for shipping purposes it is unsurpassed.

Per pkt., 5 cts.; per oz., 40 cts.; per lb., $4.00.



PEERLESS EARLY CABBAGE.

PEERLESS EARLY CABBAGE.

This valuable variety has become very popular with all market-gardeners as an early market Cabbage. It is remarkably vigorous in growth, quickly forming large, solid heads of the finest quality, and remaining a long time after heading without bursting or cracking. Nearly equal to Jersey Wakefield in earliness, and grows twice as large (heads often weighing 12 or 15 lbs. each), with few loose outer leaves, thus allowing them to be set out nearer together in the rows, gaining more plants to the acre than some of the coarser growing varieties. Price, per pkt., 10 cts.; per oz., 50 cts.: per lb., $6.00.

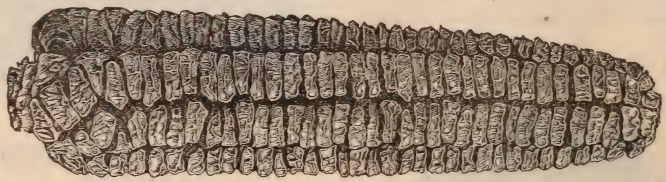
CELERY — Early Arlington.

A variety of the Boston Market greatly improved. It is much earlier than the Boston Market, and does not blight as badly, nor run to seed. We consider it the very best variety for early growing, as it bleaches in much shorter time than other sorts. We especially recommend it to those who only use small quantities and find trouble with growing other kinds. Large well-blanched roots in the Boston market August 15th. At the September exhibition of the Massachusetts Horticultural Society, this variety took the *first prize* on both regular and special *premiums* offered. Price, per pkt., 15 cts.; per oz., 50 cts.; per lb., $6.00.



CELERY — Early Arlington.

CORY SWEET CORN.



A new variety of Sweet Corn, a few days *earlier than the Marblehead*, and producing ears somewhat larger. In general appearance it closely resembles the Early Marblehead variety, and, doubtless, came originally from the same parent seed stock. To marketmen this variety will be of great value, as it is well known the first Sweet Corn will bring two or three times the price it commands when the supply becomes general. Price, per pkt., 15 cts.; per pint, 40 cts.; per quart, 75 cts. Ears, each, 15 cents.

EARLY SANFORD FIELD CORN.

This variety is used largely in Vermont and some parts of New Hampshire as a green Fodder and Ensilage Corn. It is of very luxuriant growth; very prolific; large stock with plenty of leaves, and handsome ears twelve inches long; kernels plump, nearly white in color, which make the best of meal. Price, per peck, 75 cts.; per bushel, $2.50; five-bushel lots, $2.00 per bushel.

FIELD CORN.—ANGEL OF MIDNIGHT.

(See Colored Plate.)

This new variety of Flint Corn, originated and offered by us for the first time last season, has given most excellent satisfaction. It is an extra early, eight-rowed, yellow flint variety, and the result of careful breeding from selected stock for several years. The ear is perfect in shape, ten to fourteen inches in length, rows straight and even, and filled from butt to tip with large kernels compactly set on an extremely small cob. Under good cultivation the yield is remarkable,— 100 to 160 bushels of shelled corn being produced on one acre. The result of the competition for the premiums offered by us on this Corn for the season of 1885 was very satisfactory. The premiums were largely contested for, and the greatest interest was evinced in all corn-growing sections. The Vegetable Committee of the Massachusetts Horticultural Society kindly consented to act as judges, and, in making their awards, gave the matter of quality as well as yield special consideration, which will explain why in several instances the parties who had the largest yield were not awarded the first premium. After careful examination and comparison of the various samples, and affidavits accompanying them, the Committee made the awards as follows:

COMMITTEE'S REPORT.

We, the members of the Vegetable Committee of the Massachusetts Horticultura Society, do hereby certify that we have awarded the premiums offered by Joseph Breck & Sons for the largest and best yield of the Angel of Midnight Corn, as follows:

PREMIUMS AMOUNTING TO $200.00 FOR THE LARGEST AND BEST YIELD OF ANGEL OF MIDNIGHT FIELD CORN PRODUCED ON ONE ACRE OF LAND, AND GROWN ON STOCKBRIDGE MANURE.

1st	premium,	$65.00, Stephen Hoyt's Sons, New Canaan, Ct.	Yield,	6335 lbs.
2nd	"	$50.00, Henry Davis, Weare, N. H.	"	6828 "
3rd	"	$35.00, F. G. Wilcox, East Berlin, Ct.	"	5538 "
4th	"	$25.00, Jos. S. Wells, Hatfield, Mass.	"	5730 "
5th	"	$15.00, Joel Burt, Sunderland, Mass.	"	4708 "
6th	"	$10.00, G. W. Sherman, Smithfield, R. I.	"	4488 "

PREMIUMS AMOUNTING TO $38.00 FOR THE LARGEST AND BEST YIELD FROM ONE QUAR OF ANGEL OF MIDNIGHT FIELD CORN.

No restrictions as to Fertilizer.

1st	premium,	$20.00, Samuel W. Seagrave, Uxbridge, Mass.	Yield from one quart,	2166 lbs.
2nd	"	$10.00, Joseph S. Wells, Hatfield, Mass.	" " "	877 "
3rd	"	$5.00, Joel Burt, Sunderland, Mass.	" " "	757 "
4th	"	$3.00, Wilbur D. Chase, Weare, N. H.	" " "	657 "

PREMIUMS TO THE AMOUNT OF $12.00 FOR THE LONGEST AND BEST SINGLE EAR OF ANGEL OF MIDNIGHT FIELD CORN.

1st	premium, $6.00,	Elbridge Ruggles	Hardwick, Mass.
2nd	" $3.00,	Samuel W. Seagrave	Uxbridge, Mass.
3rd	" $2.00,	Thomas H. Skinner	Princeton, Mass.

Signed,

C. N. BRACKETT.
CHAS. E. GRANT.
SAMUEL HARTWELL.
C. H. BRACKETT.
WARREN HEUSTIS.
JAMES COMLEY.

The "Rural New Yorker," to whom we sent samples for testing in their experimental grounds, report in their issue of November 14th, as follows:

"ANGEL OF MIDNIGHT CORN.—This was originated with Joseph Breck & Sons, of Boston, Mass., by whom seeds were sent to the Rural Grounds, where it was tested with twenty-five other kinds the past season. It was planted May 13th, and the kernels began to glaze August 5th, showing it to be an extremely early corn, and decidedly earlier than any other field corn we have ever grown. There are few kinds indeed that have not been tested at the Rural Grounds, as our older readers are aware. The following is taken from our book of record: 'Begins to ripen August 5, and is the earliest we have ever tried. Longest ears fourteen inches, eight rows, over sixty kernels in a row. Kernels large broad yellow flint. Plants six feet high only; very leafy at bottom, slender top, ears low, often two large ears to a stalk; stalks small, shanks long, cob small. This will certainly ripen — *indged by this season* — anywhere that corn will ripen.' The Rural has made a mistake in its previous distributions of Indian Corn in selecting those kinds which are too late in ripening for high latitudes. By this time we are as confident as we can be from a single trial that this variety, with a name so absurd, will ripen wherever any kind of field corn will mature.'"

In the same issue the Rural says, editorially:

"ANGEL OF MIDNIGHT is a peculiar, not to say a ridiculous, name to give to Corn. But the Corn itself is very distinct, and, without any doubt, the earliest variety ever raised at the Rural Grounds, if judged from its time of maturity the past season. The ears are very long and borne near the ground. The plants grow only to the height of six feet. In richer soil they would, of course, grow somewhat better, — though not much, we fancy."

We beg to state that the above report was entirely unsolicited on our part, and, coming from so reputable a journal as the "Rural New Yorker," cannot but convince the most skeptical that the Angel of Midnight Corn is a most important acquisition to our list of seed Corns. During the past season we have received but few complaints (to speak exactly, four,) from a total of several thousand customers who purchased this Corn f us. We doubt if any variety of seed whatever — Corn included — was ever introduced with so flattering a result. Seeing a great future for this Corn, we determined to leave no effort untried to prove its value, and to discover its weak points, if any. In view of this, we addressed a letter in regard to it to a large number of our customers in Maine, New Hampshire, and Vermont, believing that if it would ripen satisfactorily in these States that we could safely recommend it in any State of the Union. To these letters we received prompt and courteous replies, which, on the whole, were more than satisfactory. Every man with scarcely an exception reported that the season was the most unfavorable for the Corn crop ever known: being cold and wet, with late and early frosts. Notwithstanding this, the Corn ripened as far north as Franklin County, Vermont, and yielded enormously. Many report three or four ears to the stalk—the ears hanging well away from the stalk, thereby realizing the description as shown in our illustration. It is no more than natural that in such a season, in some situations, the crop did not become fully ripened; but almost without an exception, parties with whom this was the case express their satisfaction with the Corn, and signify their intention to try it again another season, stating as their belief that with an average season it would be a great acquisition. We shall in a few days issue a pamphlet giving the affidavits of the parties to whom were awarded these premiums, also some interesting testimonials; which pamphlet will be sent free on application. The seed stock which we put out the past year was grown in Massachusetts, but from the good results of last season, we are now able to offer a stock that was grown in northern New Hampshire and Vermont, and shall reserve this stock particularly for orders coming to us from sections north of the latitude 43 degrees north. From this seed stock we think there will be no trouble in ripening the Angel of Midnight Corn in the section referred to, even in so unfavorable a season as '85. As the supply of this Northern grown stock is naturally limited, we advise our friends north of 43 degrees north latitude to send in their orders early so as to secure this stock.

Price, per quart, 30 cts.; per peck, $1.25; per bushel, $4.50; 5-bushel lots, $4.00 per bushel.



MONTREAL IMPROVED GREEN NUTMEG MELON.

MONTREAL IMPROVED GREEN NUTMEG MELON.

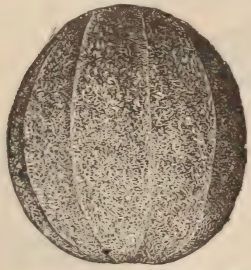
This variety is grown largely for the markets of Montreal, where it is highly esteemed. Visitors from the States are always surprised at the sight of these large Melons, and are more than pleased with their fine flavor and general excellent qualities. Specimens often weigh twenty pounds and over, and are mostly grown under glass. With ordinary out-door culture they do not grow quite as large. The Melon is nearly round, flattened at both ends, and deeply ribbed; skin green and netted; flesh very thick. Price, per pkt., 10 cts.; per oz., 20 cts.; per lb., $1.50.

KOLB GEM WATER MELON.

This new variety originated in the South, the home of the Water Melon, and has become very popular there on account of its extremely large size, uniformity, immense yield, and excellent shipping qualities, keeping a long time without decay. For the latter reason alone, Southern growers claim that this variety nets them 33⅓ per cent. more on shipments made to the North than the Rattlesnake or Scaly Bark. Specimens of the Kolb Gem have been in good eatable condition three months after shipment. In flavor it is excellent. Price, per pkt., 10 cts.; per oz., 20 cts.; per lb., $1.50.



KOLB GEM WATER MELON.



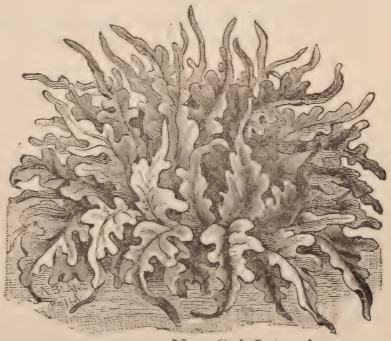
GOLDEN GEM MUSK MELON

GOLDEN GEM MELON.

A variety of Musk Melon recently introduced, very popular with the Melon growers of New Jersey, and by them considered the most profitable small Melon to be raised. Skin thickly netted; flesh light green, thick meated, and very solid; flavor sweet and luscious. Extra early in ripening, and very prolific. Price, per pkt., 10 cts.; per oz., 20 cts.; per lb., $1.50.

LETTUCE — New Oak-Leaved.

A distinct new variety of Lettuce, offered last season for the first time. The illustration will show the peculiar outline of the leaves, which are shaped like those of the oak. The heads are compact, crisp and tender, and it is largely free from that bitter taste peculiar to so many kinds of Lettuce. Price, per pkt., 10 cts.; per oz., 25 cts.; ¼ lb, 75 cts.; per lb., $2.50.



LETTUCE — New Oak-Leaved.

BRECK'S EXCELSIOR PEAS.

(*See page 26 for description.*)



Another years' experience with this Pea has only served to add to its justly acquired popularity, and we feel fully justified in claiming that for a first extra early it is unequaled by any other. Owing to its extreme earliness, productiveness, and wonderful uniformity in ripening it is especially adapted to market-gardeners' purposes, and the verdict of all who plant the Excelsior is, "We found Breck's Excelsior Pea to be the earliest and best Pea we ever planted."

Since we first introduced this variety we have each season made comparative tests with other well-known kinds, and in every instance Breck's Excelsior has been ready for picking before any other. By careful selection each season we endeavor to improve our stock, and think the strain which we offer the present year is as near perfection as can be obtained.

Price, per pint, 20 cts.; per quart, 40 cts.; per peck, $2.00.

STRATAGEM PEAS.

This is not only one of the most elegant and showy Peas in cultivation, but also the most desirable acquisition of its class for a great many years. The seeds are green, very large and wrinkled. The plant grows from 18 to 24 inches high, is of vigorous branching habit, and has remarkably luxuriant foliage. Under favorable conditions it is an enormous cropper and produces immense pods (many of them 5½ inches in length), which are well filled with from 10 to 14 peas of the largest size and of extra fine quality. The Stratagem has certainly come to stay, and we consider it destined to supplant all the main crop varieties now grown. With Breck's Excelsior for a first early and the Stratagem for a main crop, any one — be their consumption large or small — will have all the Peas necessary for a continual supply, unless more sorts are desired for the sake of variety. The Peas when cooked are of such splendid quality that any one who finds fault with their delicious flavor must be difficult to please, indeed. Our stock is of very superior quality, but the supply is very limited, and we advise our friends to order early.

Price, per pint, 25 cts.; per quart, 50 cts.; per peck, $3.00.



Per Pk. 75 cts; Per Bushel $ 2.00, Per Barrel $ 5.00.

PEARL OF SAVOY POTATO.

Although the Pearl of Savoy Potato was offered by us for the first time in 1884, its reputation has already become almost national, and we feel justified in claiming for it the premier position as an extra early variety of wonderful productiveness and superior quality. During the past season this seedling has been subjected to the most trying tests in different sections of the country in competition with some of the most highly lauded varieties in cultivation, and we have yet to learn where the Pearl of Savoy, subjected to the same treatment, has failed to prove its superiority over all others. The season of 1885 was an extremely unfavorable one for potatoes, owing to their rotting badly, which of course had a deteriorating effect upon the crops of those competing for the premiums which we had offered; however, we think that most of our patrons will agree with us that a yield of 660 bushels on one acre, taking into consideration the season, can be indeed regarded as remarkable. In fact it is within six bushels of the yield which was awarded the first premium last season. The Vegetable Committee of the Massachusetts Horticultural Society, who made the awards last season, kindly consented to act in a similar capacity the present year, and after careful examination and comparison of the various samples and affidavits accompanying the same, rendered their decision as follows:



THE COMMITTEE'S REPORT.

We, the members of the Vegetable Committee of the Massachusetts Horticultural Society, do hereby certify that we have awarded the premiums offered by Messrs. Joseph Breck & Sons for the largest and best yield of Pearl of Savoy Potatoes, as follows:

$200.00 IN CASH PREMIUMS FOR THE LARGEST AND BEST YIELD OF PEARL OF SAVOY POTATOES PRODUCED ON ONE-FOURTH ACRE OF LAND, AND GROWN ON STOCKBRIDGE MANURE.

1st premium,	$65.00, H. C. Pierson, Pitcairn, N. Y.	Yield on	¼	acre,	9920 lbs.
2nd "	$50.00, Stephen Hoyt's Sons, New Canaan, Ct.	"	"		8523 "
3rd "	$35.00, Joel Burt, Sunderland, Mass.	"	"		6392 "
4th "	$25.00, G. W. Sherman, Smithfield, R. I.	"	"		4800 "
5th "	$15.00, G. S. Barber, South Kingstown, R. I.	"	"		5461 "
6th "	$10.00, J. W. Norton, Wolcott, R. I.	"	"		4530 "

$35.00 FOR THE LARGEST AND BEST YIELD FROM ONE PECK OF PEARL OF SAVOY POTATOES.

No restrictions as to Fertilizer.

1st premium,	$20.00, Samuel W. Seagrave, Uxbridge, Mass.	Yield from one peck,			1803 lbs.
2nd "	$10.00, G. Farr, Troy, N. H.	"	"		1140 "
3rd "	$5.00, Wilbur D. Chase, North Weare. N. H.	"	"		530 "

Signed, C. N. BRACKETT. SAMUEL HARTWELL. WARREN HEUSTIS.
CHAS. E. GRANT. C. H. BRACKETT. JAMES COMLEY.

We shall continue the present year to offer the Pearl of Savoy to our patrons as our leading Potato, confident that we could not select any other sort which would so surely give satisfaction to the cultivator in every section of the country. Our stock the present season is especially fine, and we think in some respects superior to anything ever offered before, as it is our aim each year to improve the quality of this Potato by careful selection and cultivation.

Price, per peck, 75 cts.; per bushel, $2.00; per barrel, $5.00.

NEW CHARTIER RADISH.

A new variety of the Long Scarlet Short Top, offered last season for the first time. It is exceedingly handsome and attractive, being of a deep-crimson color at the top, and blending off to almost white at the bottom. It is very tender, and remains so for a long time after attaining its growth,—which is quite an important feature to the market-gardener. Price, per pkt., 10 cts.; per oz., 40 cts.; per ¼-lb., $1.00.

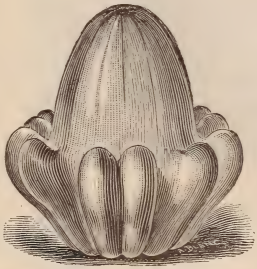


NEW CHARTIER RADISH.

GOLDEN GLOBE,

Or GOLDEN-YELLOW SUMMER TURNIP RADISH.

This variety has proved a most valuable acquisition. The shape is shown in the illustration page 30. It is more spherical, its neck is finer, leaves smaller, and color brighter than the old Yellow Turnip Radish. The growth being very rapid, it is fit for use in from four to six weeks after sowing; and the quality is very fine. Price, per pkt., 5 cts.; per oz., 10 cts.; per ¼-lb., 25 cts.; per lb., 75 cts.



NEW WHITE PINE-APPLE SQUASH.

NEW WHITE PINE-APPLE SQUASH.

This is a new and distinct variety, and has attracted much attention when placed on exhibition, owing to its peculiar shape, which is well depicted in our illustration. The skin and flesh are of a pure, creamy-white color, flesh very fine-grained and of excellent quality and flavor, resembling the cocoanut when made into pies or custards, and is superior to any other Squash or Pumpkin for this purpose. They can be used at any time during growth, even when very young, and after maturing make an excellent Autumn and Winter sort. Price, per pkt., 10 cts.; per oz., 20 cts.; per lb., $1.50.

BRAZIL SUGAR SQUASH.

This new variety, originally from South America, has been thoroughly tested in the United States the past two years, and is pronounced by critical growers a most valuable acquisition to our list of Summer and Autumn Squashes. The flesh and skin are of a bright yellow color, slightly warted, as shown in our illustration. As its name indicates, it is the sweetest of all Squashes; the flesh being unusually fine-grained and tender, so much so that it is palatable even when eaten raw. They reach a weight of three to four lbs. each, ripen early, and grow so vigorously that they are but little affected by the squash-bug. Price, per pkt., 10 cts.; per oz., 20 cts.; per lb., $1.50.



BRAZIL SUGAR SQUASH.



TOMATO.—Livingston's Beauty.

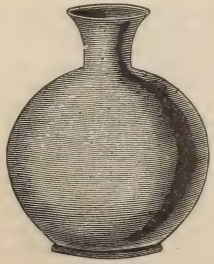
Mr Livingston, who was the originator of the Paragon, Acme, Perfection, and Favorite Tomatoes, comes before the public this season with a new variety which he calls the "Beauty." This he claims to be "a better Tomato than he ever before sent out," in its well-balanced combination of size, shape, weight, and beauty. It is as early as the Acme or Perfection, of a very glowing crimson in color, with a slight tinge of purple. It retains its size later in the season than Acme and other good sorts. It has yielded one-third more than Acme. In shape it is perfectly spherical. It has a thick skin, and hence is not so liable as some other varieties to crack just after a rain. It has more solid flesh and fewer seed than average kinds, and is less inclined to rot. Price, per pkt., 25 cts.

TOMATO. — New Cardinal.

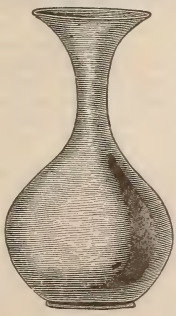
A new variety of great merit. Although of recent introduction, it has already become very popular with all market gardeners because of its great superiority over the old standard varieties. The plants are of strong, vigorous growth, and very prolific; ripens evenly, and as early as any good sort, holding its size to the end of the season. It is without a doubt the *largest* perfectly-shaped Tomato in cultivation. In color it is a brilliant cardinal *red*, becoming when ripe very glossy, which gives the fruit a most beautiful appearance. The flesh is remarkably solid, with very few seeds, and of unexcelled flavor. Its wonderful firmness will make it of great value for shipping long distances. Price, per pkt., 10 cts.; per oz., 40 cts.; per lb., $5.00.

THE LATEST NOVELTY:

THE GRASS-GROWING VASE.



No. 303.
4½-inch, $3.00 per doz.



No. 302.
5-inch, $3.00 per doz.



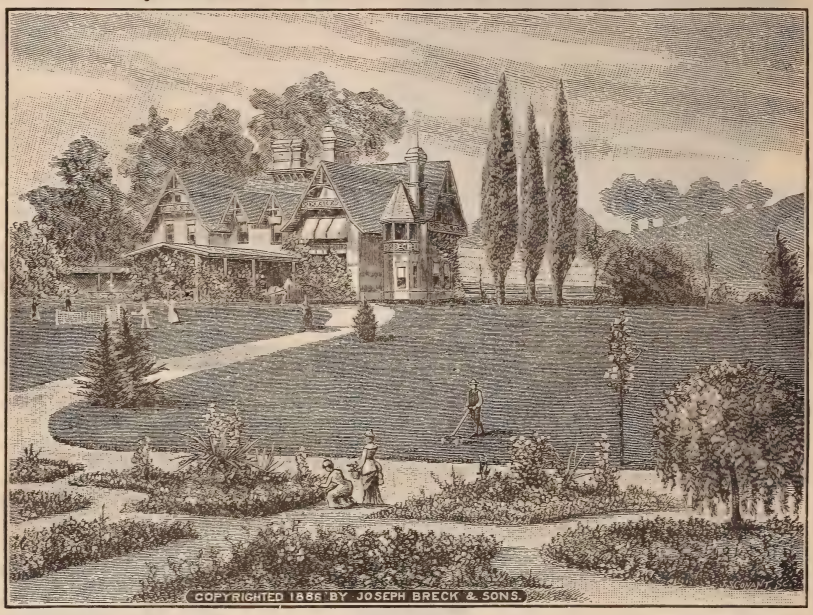
No. 304.
4-inch, $3.00 per doz.

In the year 1884 a Boston merchant imported from Italy what was known as the Italian Growing Vase. The same being a plain pottery vase of unique shape. It was then claimed by the importer that similar vases could not be successfully made in this country for want of proper material, etc., etc. After a series of experiments we have mastered the secret, and now offer to the public the most perfect Growing Vase in the country, of superior quality and shape, and at prices far below the cost of imported ones. The seed that we supply with the Vases is all thoroughly tested, and warranted of the best quality. 10c. per pkt., sufficient for three sowings.

Our cuts represent a few of the many shapes kept constantly in stock.

Lawn Grass.

A BEAUTIFUL LAWN CAN BE OBTAINED BY USING JOSEPH BRECK & SONS' LAWN GRASS SEED.



However much care is bestowed upon the garden and the house, no home in the city or country can be considered complete without a thoroughly made, well-kept lawn. The lawn is to the garden what the parlor is to the kitchen; therefore, why not take as much pride in it? It is a great mistake to suppose that grass will grow so as to make a beautiful lawn on unprepared soil. The fact is, as much care must be exercised in the preparation of the soil for the lawn as for vegetables or any other garden crop. First see that the ground is well prepared by deep digging and trenching, for it is vain to expect a lawn to retain its greenness in the scorching days of July and August unless the ground is thoroughly pulverized, so that the roots of the grass can penetrate at least two feet deep. Wherever necessary the ground should be drained, thoroughly manured, plowed, and harrowed, and all stones or roots removed. After the soil has been thus prepared, it should be made perfectly level,—for if this is not done *before* the seed is sown, it cannot be done after the sward is formed without great expense and inconvenience,—and left to settle a week or ten days, then it should be raked smooth, after which it is ready for the seed. We have given much thought, and made many experiments, in order to ascertain just what is the best mixture for permanent lawns, and what grasses are best suited to this climate. By the proper blending of the varieties which constitute Breck's Lawn Grass we have obtained a mixture, that, from early Spring to late Fall, will give to lawns made with it that rich, deep-green so often admired upon the lawns and parks of England, but so seldom seen in this country. Sow at the rate of sixty to seventy pounds to the acre. The use of stable manure as a fertilizer should be avoided, as it always contains noxious weeds, and other more or less foreign seeds; and we especially recommend the use of Breck's Lawn Dressing, which will give the grass nourishment throughout the entire season, producing a rich, luxuriant growth of a rich, deep-green color. The lawn, after being properly prepared, should be neatly kept by rolling with a light garden roller. Frequent cutting of the grass after it attains a certain height produces a soft, velvety growth which cannot otherwise be obtained. For this purpose we know of nothing that will so efficaciously do the work as the Philadelphia Lawn Mower.

PRICE:			PRICE:		
	Per Quart	$0.25		Per Peck	$1.25
	" ½-Peck	.75		" Bushel	4.00

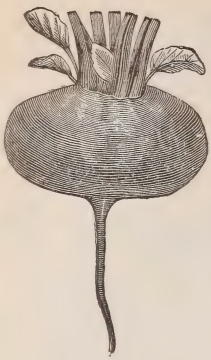
BEANS. Dwarf or Bush.

German, *Bohne.* — French, *Haricot.* — Spanish, *Frijorenano.*

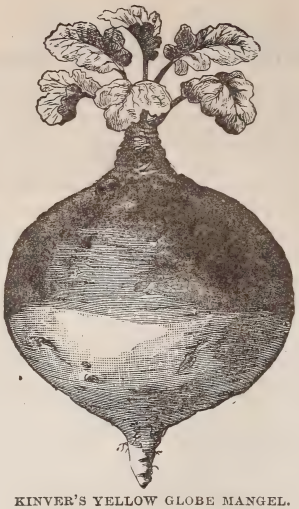
If by mail, postage must be added at the rate of 30 cents per quart.

To afford a regular succession of crops throughout the season, plant every two weeks, from the middle of Spring to the end of Summer; but not until the soil becomes warm, as they are very sensitive to both heat and cold. Plant in rows, eighteen inches apart, two inches deep; cultivate frequently, but only when dry, as the scattering of earth on the foliage or pods, when moist, will cause them to become damaged with rust. This crop will flourish between the ridges of celery, rows of corn or cabbage, when they are first planted, as the Beans would be ready for the table before the other crops attain any size.

	Pt.	Qt.	Pk.
Early Red Valentine, early, productive, tender, succulent, and of excellent flavor; continues longer in the green state than most of the varieties..	.15	.25	$1.50
EARLY MOHAWK, about the hardiest; will endure a slight frost, and hence valuable for first planting; productive and excellent.....	.15	.25	1.50
Early China, very early and of fine quality; seeds white, colored and spotted about the eye with purplish red.....	.15	.25	1.50
EARLY LONG YELLOW SIX WEEKS, hardy and prolific; an excellent variety for general crop; seeds pale yellowish drab, with an olive-green line about the eye.....	.15	.25	1.50
Refugee, or Thousand to One, not so early as above named varieties, but superior to any used as a pickling bean, for which it is grown very extensively; an abundant yielder.....	.15	.25	1.50
BRECKS' IMPROVED DWARF HORTICULTURAL. (See Novelties).....	.20	.30	1.75
BLACK WAX, a variety of great merit, highly recommended as a string bean; pods transparent; waxy yellow, thick, and very tender.....	.20	.30	1.50
Crystal White Wax, a distinct white-seeded variety with waxy transparent pods. It is stringless, succulent, crisp, tender, and of the richest flavor. The pods, though quick to develop, are remarkably slow to harden, and therefore retain their delicious tenderness on the bush longer than any other sort.....	.20	.30	1.75
GOLDEN WAX DWARF, a distinct variety, earlier than the Dwarf Black Wax; the pods are large, long, and brittle, and entirely stringless. As a snap bean it excels all other sorts in tenderness and richness of flavor, and has the further merit of being one of the best shell beans grown for Winter use.....	.20	.40	2.00
Ivory Pod Wax, a week earlier than the Black Wax, bearing long pods of a waxy white color, entirely stringless. Very tender, and an excellent shell bean. Beans ripe are of medium size, white and oval.....	.20	.35	1.75
Dwarf Horticultural, a bush variety that resembles the Pole Horticultural; of excellent flavor, and used extensively as a shell bean in a dry or green state.....	.15	.25	1.25
Red Cranberry, a stringless variety of great merit; very hardy and productive. Pods brittle, tender, and fine flavored.....	.20	.30	2.00
PROLIFIC TREE, this new dwarf variety is the most prolific yet known; grows 18 inches high, branching like a tree, bearing its pods so high that they do not touch the ground, and are not injured by wet weather. The ripe Beans resemble the White Navy, but are larger and of finer flavor. They yield about 60 bushels per acre....	.15	.30	1.75
White Marrow, White Kidney, Improved Yellow-Eye, Red Kidney, or Chilian, } All superior kinds, to be used in a dry state, for baking; also excellent as shell beans in a green state.....	.10	.25	1.50



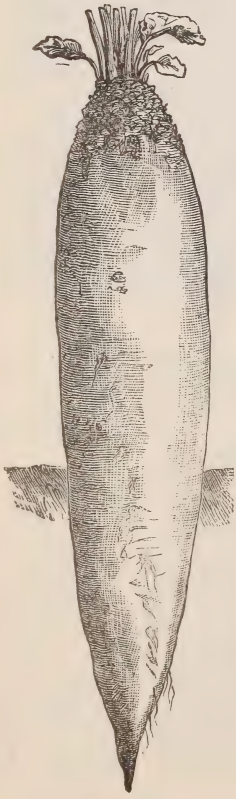
EGYPTIAN BEET.



KINVER'S YELLOW GLOBE MANGEL.



DEWING'S TURNIP BLOOD BEET.



LONG RED
MANGEL WURZEL BEET.



GOLDEN TANKARD MANGEL.



LONG YELLOW
MANGEL BEET.

BEANS. Pole or Running.

German, *Stangen Bohne.* — French, *Haricots a Rames.* — Spanish, *Judias.*

If by mail, postage must be added at the rate of 30 cents per quart.

Pole Beans are generally planted in hills, about four feet apart, putting four or five Beans in a hill, and leaving a space in the center for the pole; they are more sensitive to cold and wet than Dwarf varieties, and should not be planted until all danger from frost is past; the Lima and Sieva not until the 20th of May in our climate, as they will not grow until the weather and ground are warm. Lima Beans may be forwarded in pots and transplanted with perfect success.

	Pt.	Qt.	Pk.
LARGE WHITE LIMA, this is esteemed the best of all the pole beans, and is almost universally grown both for market and private use	.25	.50	$2.50
Small Lima or Seiva, it is earlier and more hardy than the preceding; seed small, white, and flat-shaped	.25	.50	2.50
Dreer's Improved Lima, the distinctive features of this variety are early maturity, large yield, and extra quality of bean. It is also claimed that it produces more shell beans to the pole than the Large Lima	.25	.50	2.50
Dutch Case Knife, this is the earliest variety of pole beans. Pods long and flat, beans white, flat, kidney-shaped, and of excellent flavor; good green or dry	.25	.40	2.50
LONDON HORTICULTURAL, or SPECKLED CRANBERRY, a very popular variety for private garden use; early and productive; used as a green shell bean, or in a dry state	.15	.30	2.00
Indian Chief, or Black Wax Pole, similar to Black Seeded Wax Dwarf, highly esteemed as a string bean	.20	.40	2.00
RED CRANBERRY, one of the earliest, excellent, seed red	.15	.30	2.00
Concord, or Parti-Colored, a hybrid variety peculiarly marked, excellent quality, and very prolific	.20	.40	2.50

BEET.

German, *Runkel Rube.* — French, *Betterave.* — Spanish, *Betteraga.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow from April to middle of June, in deep rich sandy loam, one inch deep, or in drills about one foot apart. Thin the young plants to the distance of six or eight inches, and fill up the vacant places with those taken out. The early turnip-rooted are the earliest, and are of fine quality. When young, the leaves make excellent greens.

	Pkt.	Oz.	Lb.
ECLIPSE. (See Novelties). A round-rooted blood-red table beet of high merit; very quick in growth; new and scarce. A variation of the Egyptian, and by some preferred to it, being more showy	.05	.15	$1.25
EXTRA EARLY EGYPTIAN TURNIP, the earliest beet in cultivation; color deep crimson; of excellent quality	.05	.10	.75
Early Bassano, although not maturing as early as some other sorts, this being much the largest of the early varieties, reaches a size fit for the table among the earliest. Roots flat, turnip-shape, light red. Will not keep well through the Winter. Flesh white, circled with pink, coarse-grained, but tender and sweet	.05	.10	.75
DEWING'S IMPROVED BLOOD TURNIP, roots deep blood-red, of fine form and flavor; very early	.05	.10	.75
Long Smooth Blood-Red, excellent late variety; a great improvement on the common Long Blood	.05	.10	.75
Swiss Chard, Silver or Sea-Kale Beet, this variety is cultivated solely for its leaves. The mid-rib is stewed and served as Asparagus, the other portions of the leaf being used as Spinach. If often cut, new and more tender leaves will be reproduced	.05	.10	.75

MANGEL WURZELS and SUGAR BEETS.

Sow in April or May, six to eight pounds per acre. The value of these for stock feeding cannot be over-estimated. The results from their use are clearly shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving of hay. They can be raised at a very trifling cost, and selected seed will yield immense crops per acre.

	Pkt.	Oz.	Lb.
Norbiton Giant Long Red Mangel Wurzel, this is a valuable variety, especially for deep soils, and is immensely popular	.05	.10	$0.50
MAMMOTH LONG RED MANGEL WURZEL, extensively grown for agricultural purposes, producing roots of large size and excellent quality	.05	.10	.50
GOLDEN TANKARD, a very valuable variety, of fine form, and very sweet flavor, and bright yellow in color. When cut it shows interior rings similar to most varieties of garden beet	.05	.15	.80
Long Yellow Mangel Wurzel, differs from the Long Red only in color	.05	.10	.50
Kinver Yellow Globe, undoubtedly the best stock of Yellow Globe Mangel in cultivation; roots of large size and globular form; very productive; keeps better than the Long Red, and is better adapted for growing in shallow soil	.05	.10	.50
Red Globe Mangel Wurzel, similar to the Yellow Globe, except in color; suitable for strong land	.05	.10	.50
White French Sugar Beet, a well known variety, cultivated for feeding to cattle	.05	.10	.50
GERMAN IMPERIAL SUGAR BEET, the best variety to cultivate for sugar. To insure the greatest success, the seed should be planted as early in Spring as the ground can be worked, for it requires unquestionably the exceedingly moist condition of the soil in early Spring in order to freely germinate. The seed we offer is of a very superior strain	.05	.10	.50

BORECOLE, or KALE.

German, *Blatter Kohl.* — French, *Chou Vert.* — Spanish, *Breton.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow early in the Spring in prepared beds, covering the seeds thinly and evenly; transplant in June, and treat in the same manner as for cabbage. Of all the cabbage tribe this is the most tender and delicate, and would be much more extensively grown than it is if its excellent qualities were generally known. The following varieties are extremely hardy, and are best when touched by frost.

	Pkt.	Oz.	Lb.
Dwarf Curled Kale, German Greens, or "Sprouts," this variety is extensively used for early greens, for which it is sown in the Fall in rows one foot apart, and treated in the same manner as spinach; it is ready for use in early Spring. Sowing can also be made in Spring	.05	.10	$0.50
Green Curled Scotch, a rather dwarf variety, but spreading under good cultivation to three feet in diameter; leaves of a bright green, beautifully curled	.05	.10	.75
Siberian, a green-leaved, purple-stemmed variety of the Dwarf German, and not so liable to injury by insects. Sow in permanent position	.05	.10	.75

BRUSSELS SPROUTS.

German, *Sprossen-Kohl.* — French, *Chou de Bruxelles.* — Spanish, *Berza de Brussela.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

A tender and delicious vegetable. The plant grows two or three feet high, and produces from the side of the stalk numerous little sprouts one or two inches in diameter, resembling cabbages. The leaves, which look like the Savoy, should be broken down in the Fall to give the little cabbages room to grow. They are very tender and sweet after early frosts. Sow early in hot-bed, or in seed-beds in May; transplant and cultivate like the cabbage

	Pkt.	Oz.
Dwarf Improved, a variety producing compact sprouts of excellent quality	.05	.20

BROCOLI.

German, *Spargel Kohl.* — French, *Chou Brocoli.* — Spanish, *Broculi.*

If by mail, in quantities of ¼ lb. or upward, postage must be added at the rate of 16 cents per lb.

Brocoli is a variety of cabbage closely related to the cauliflower, though not so delicate in flavor as that vegetable. Should be sown in the early part of May and transplanted in June. In parts of the country where the thermometer does not fall below 20 or 25 degrees, Brocoli may be had in perfection from November until March. It succeeds best in a moist and rather cool atmosphere.

	Pkt.	Oz.
White Cape, heads medium size, close, compact, and of a creamy-white color; one of the most certain to head	.10	$0.40
Early Purple Cape, differing from the preceding in color, which is of a greenish purple; it is also rather hardier, and of excellent flavor	.10	.40
Walcheren, a valuable late variety, with very large fine heads	.10	.40

CABBAGE.

German, *Kopfkohl.* — French, *Chou Pomme.* — Spanish, *Repollo.*

(For price on Cabbage Plants, see Vegetable Plants.)

If by mail, in quantities of ¼ lb. or upward, postage must be added at the rate of 16 cents per lb.

Cabbage seed for a very early crop should be sown in a hot-bed in February or March. Give plenty of air, and thin out the plants that they may grow strong.

When the plants are four or five inches high, they should be transplanted, if the weather is mild, into the open ground in rows two feet apart and about fifteen inches apart in the row; make the ground rich and light and set them firmly; as they grow give frequent hoeings, and keep clear of weeds. Those who have no hot-bed should sow in the open ground in May, which will be soon enough for an open crop.

The late varieties need not be sown until the middle of May; sow in drills or broadcast, in beds properly prepared, and thin out as soon as they are an inch high; transplant them the latter part of June, in rows two feet apart. To preserve Cabbages through the Winter, take them up in dry weather and plant them down to the leaves, and close together, in a dry sheltered spot. The whole must be covered securely with straw and boards to keep off rain.

	Pkt.	Oz.	Lb.
EXTRA EARLY JERSEY WAKEFIELD, this is a favorite variety with the market-gardeners in the vicinity of Boston, and considered by them one of the best and most profitable sorts. It is very early, a reliable header and of good quality. Market-gardeners desiring this very early and celebrated Cabbage, can rely upon getting seeds of us of absolute purity and superior quality	.05	.40	$4.00
HENDERSON'S EARLY SUMMER, the earliest, large heading Cabbage; growth compact, so that it may be set as close as the smaller sorts. Heads large, flat or slightly conical, handsome, and they keep longer without bursting than most of the early sorts. Valuable for both family and market; ***extra choice stock***	.05	.40	4.00
Early York, this is one of the earliest of the Spring and Summer varieties. Heads small, rather heart-shaped, firm, very tender and excellent flavor,	.05	.20	1.25
Early Winningstadt, one of the best in cultivation for general use; remarkably solid and hard even in Summer, keeps well in hot and cold weather. Heads regularly conical, large	.05	.20	1.50
Early French Oxheart, a most excellent variety. It grows low on the stump, and heads very close and firm	.05	.20	1.50
FOTTLER'S IMPROVED BRUNSWICK, the best Early Drumhead variety in the market, and almost universally used by the Boston market-gardeners to succeed the earliest varieties; also, for a late crop. Sure to lead, often weighing from twenty to thirty pounds. The quality is excellent; ***extra choice stock***	.05	.40	4.00



AMERICAN IMPROVED SAVOY CABBAGE.



EARLY JERSEY WAKEFIELD CABBAGE.



FOTTLER'S BRUNSWICK CABBAGE.



PEERLESS EARLY CABBAGE.



HENDERSON'S EARLY SUMMER CABBAGE.

	Pkt.	Oz.	Lb.
BRECK'S PREMIUM DRUMHEAD, we recommend this sort to market-gardeners and growers, for shipping purposes. In good, rich soil, and with a favorable season, the heads will grow to enormous size; very compact and solid, and of excellent flavor	.05	25.	$2.50
STONE MASON, an improved variety of the Mason Drumhead. Head flat and solid, stem short and small, quality sweet, tender, and rich; a profitable home or market variety. ***Warren's stock,***	.05	.40	4.00
Marblehead Mammoth Drumhead, this is without doubt the largest variety of cabbage. Heads have been grown weighing from forty to sixty pounds. Cultivate in rows four feet apart, and allow about four feet between the plants	.05	.25	2 50
Early Etampes, one of the earliest and best, producing medium-sized solid heads of remarkably fine quality	.05	.25	2.50
Red Dutch or Pickling, this is an esteemed sort for pickling. It is also shredded, and eaten raw in vinegar	.05	.20	2.00
BRECK'S PREMIUM FLAT DUTCH, this we consider superior to any late cabbage in cultivation. It possesses all the good qualities of the Late Flat Dutch, and is a sure header. Our stock of this variety is of our own raising from carefully-selected heads, and we think it superior to any other strain of this popular variety	.05	.25	2.50
Drumhead Savoy, grows to a large size; heads nearly round, or flattened like the Drumhead, and quite firm; very tender, fine flavored, and excellent for Winter	.05	.25	2.50
American Improved Savoy, of finer quality than the Drumhead sort, and sure to head	.05	.40	4.00
Curled Savoy (for Greens)	.05	.10	.75

CARDOON.

German, *Kardon.* — French, *Cardon.* — Spanish, *Cardo Hortense.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Cardoon is grown for the mid-rib of the leaf, which requires to be blanched in the same manner as celery. Sow early in Spring, where the plants are to remain, in drills three feet apart, and an inch and a half deep, and thin out the young plants to a foot apart in the drills.

	Pkt.	Oz.	Lb.
Large Spanish	.10	.40	$4.00

CARROT.

German, *Möhre.* — French, *Carotte.* — Spanish, *Zanahoria.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

The Carrot requires a sandy loam, deeply tilled. It should never be sown on newly-manured ground, as forked roots are apt to be the result. Sow on ground that has been well manured the previous year for some other crop, such as potatoes or onions. For early and main crops sow as soon as the ground is in workable condition; for later crops they may be sown any time until the beginning of June. Sow in rows about fifteen inches apart, and half an inch deep, thinning out to three or four inches between the plants.

	Pkt.	Oz.	Lb.
Early Horn, a favorite sort, fine flavored, and much esteemed for early Summer use	.05	.10	$1.00
DANVERS HALF-LONG, a variety intermediate in size, of excellent quality and a great yielder (stump rooted)	.05	.15	1.25
Early French Forcing, very early and valuable for forcing	.05	.15	1.25
Early Half-Long Scarlet Carentan, a new early forcing variety, also highly recommended for planting in open ground; has no heart or core	.05	.15	1.25
LONG ORANGE, IMPROVED, roots of large size; a decided improvement on the old-fashioned orange sort	.05	.10	.80
Large White Belgian, a very productive kind, grown extensively for stock; grows one-third out of the ground; lower part of the root white, that above ground, green	.05	.10	.60
Altringham, similar in form to the Long Orange. Flesh bright orange red, crisp and breaking in its texture; the heart, in proportion to size of root, smaller than in other varieties; a very fine sort	.05	.10	.80

CAULIFLOWER.

German, *Blumen-Kohl.* — French, *Chou-fleur.* — Spanish, *Coliflor.*

(For price on Cauliflower Plants, see Vegetable Plants.)

If by mail, in quantities of ¼ lb. or upward, postage must be added at the rate of 16 cents per lb.

This vegetable is a member of the cabbage family; but, although it is more delicate, it can be grown on any soil that will grow cabbage. For an early crop, sow in September, and preserve from all frost, in sash or otherwise, and keep them in a healthy state; the following Spring transplant into rich and loamy soil. Hoe and water them abundantly. As the flower-heads appear, break the larger leaves down over them, or tie them gently upon the heads, to close and blanch them.

	Pkt.	Oz.	¼ Lb.
EXTRA SELECTED EARLY DWARF ERFURT, one of the earliest varieties in cultivation. Very dwarf, large, white, compact heads of finest quality	.25	$5.00	$20.00
Extra Early Paris, this is one of the earliest and best varieties; heads large, white, and compact, of fine quality	.10	.60	2.00
EARLY SNOWBALL, an extremely early dwarf variety, producing magnificent white heads of the finest quality. This variety is held in great estimation by all market-gardeners	.25	5.00	20.00
Early Walcheren, an excellent variety, vigorous, hardy, and well adapted to our climate	.10	.60	2.00
Veitch's Autumn Giant, a valuable and distinct late variety, producing large, white, firm heads, well protected by the foliage	.10	.75	2.50

CELERY.

German, *Seleri.* — French, *Celeri.* — Spanish, ***Apio.***

(For Price on Celery Plants, see Vegetable Plants.)

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow the seed in the open ground in April, or as soon as the ground can be nicely worked. It may also be sown for early Fall crop, in hot-beds or house, in February and March. Sow about an inch deep and be careful to firmly press the soil over the seed. After the seed is up, keep carefully clear of weeds until the time of planting, in June or July; the tops are shorn off once or twice before planting, to insure "stocky" plants, which suffer less on being transplanted. After the ground has been well prepared, plant in rows from three to four feet apart, according to variety, setting the plants about six inches apart, and pressing the soil firmly about the roots; keep free from weeds until the plants grow strong enough to crowd them down. Earth up gradually during their growth, keeping the leaf-stalks close together, so that the soil does not get between them. The soil best suited for Celery is a rich, moist loam.

	Pkt.	Oz.	Lb.
EARLY ARLINGTON. (See Novelties.)	.15	.50	$6.00
SOLID IVORY, a perfect type of Dwarf White Celery. Of dwarf, compact habit, and beautiful white color. Cultivation simple; as all that is necessary in the way of earthing-up can be done in a very simple manner with an ordinary hoe; a little care being taken to bring the stalks close together, to assist in its complete blanching. It is solid, crisp-eating, and delicious; the filbert-nut flavor is most remarkable	.10	.30	3.50
BOSTON MARKET, the most popular sort in the markets of Boston, and the only one planted by the market-gardeners in this vicinity. It forms a cluster of heads, instead of a single large one, and is remarkably tender and crisp. The best variety for light soils	.10	.30	3.00
Seymour's White Solid, a large-sized, vigorous-growing variety; stalks white, round, very crisp, perfectly solid, and of superior flavor	.10	.20	2.00
GOLDEN DWARF, a showy sort, of excellent qualities. Solid, of fine flavor, and a good keeper; and, as its name indicates, possessing, when blanched, a yellowish or golden tint, stamping it as a distinct type and a very desirable addition to the list of rare sorts	.10	.25	2.50

	Pkt.	Oz.	Lb.
Half Dwarf (Crawford's), a variety of celebrity among the market-gardeners in the vicinity of New York, Philadelphia, and Washington. It possesses all the qualities essential to make a perfect Celery — solidity, never being hollow; flavor, a peculiar nutty quality; vigor of growth, dwarf, though producing a weighty bunch	.10	.30	$3.50
White Plume, a new variety specially adapted to cultivation by amateurs, as its inner stalks and leaves are naturally white, and do not require blanching by the old process of high banking. It is ornamental, tender, crisp, and of good flavor	.15	.50	6.00
Sandringham Dwarf White, an excellent variety, remarkable for fine flavor and solidity	.05	.20	2.00
Soup Celery, excellent for flavoring	.05	.10	.50
Celeriac, or Turnip-Rooted, a variety of Celery having turnip-shaped root, which may be cooked and sliced, and used with vinegar, making a most excellent salad. Cultivate in the same manner as Celery	.05	.20	2.00

CHICORY.

German, *Cichorie.* — French, *Cickoree.* — Spanish, *Achivoria de Cafe.*

If by mail, in packages of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

It may be sown and treated in the same manner as carrots. Used to mix with, or as a substitute for coffee. The root is taken up, washed, cut in small pieces and carefully dried. When required for use it is roasted and ground.

	Pkt.	Oz.	Lb.
Large-rooted	.05	.10	$1.00

CHERVIL.

German, *Gartenkerbel.* — French, *Cerfeuil.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

	Pkt.	Oz.	Lb.
Chervil, Curled, an aromatic sweet herb. The young leaves are used in soups and salads. Sow thinly, in May, in drills half an inch deep, one foot apart	.05	.20	$2.00
Tuberous-Rooted, sow in March or April; after treatment, same as the carrot,	.10	.30	3.00

CORN.

French, *Mais.* — German, *Mais.*

If by mail, postage must be added at the rate of 20 cents per quart.

A rich, warm, alluvial soil is best, and immediately before planting this should be as deeply and thoroughly worked as possible. Cultivate deeply and thoroughly as soon as possible after the plants appear, and every few days until it tassels. Thorough cultivation, and warm, rich soil are the keys to success.

(All ears 5 cents each. Add 10 cents for postage.)

	Pt.	Qt.	Pk.	Bush.
EARLY MARBLEHEAD, the earliest Sweet Corn, and best for first crop. Quality excellent; stalk very short; ears medium size, with few husks; cob, red and small; heavy yielder	.15	.25	$1.25	$5.00
Early Minnesota, very early; ears fair-sized and uniform; one of the best	.15	.25	1.25	4.00
Early Narragansett, one of the earliest, red cob, ears small, of good quality	.15	.25	1.25	4.00
CROSBY'S EARLY, an excellent early variety; a great favorite in the vicinity of Boston; fine for canning	.15	.25	1.25	5.00
Egyptian, a new sort, very large, exceedingly sweet and superior, late, **Moore's Concord**, ears large and well filled; early and unsurpassed for richness and delicacy of flavor	.15	.25	1.25	4.00
	.15	.25	1.00	3.50
STOWELL'S EVERGREEN, a late variety of excellent quality, remaining longer in the green state than any other	.15	.25	1.25	5.00
Mammoth Sugar, a late variety, produces ears larger than any other sort, and fine flavored	.15	.25	1.25	5.00
BLACK MEXICAN, a variety with black ears, said to be the sweetest of all kinds	.15	.25	1.25	5.00
Potter's Excelsior, one of the sweetest and finest flavored varieties ever known, highly recommended	.15	.25	1.25	4.00



BRECK'S

BOSTON MARKET

ENSILAGE CORN.

This Corn is especially adapted for the purpose of ensilaging. It is the result of careful selection of seed to the end that a variety of Corn might be obtained not to be grown for a crop of Corn, *but solely for the crop of Green Fodder.*

In order to obtain the greatest amount of green fodder from Corn, the selection originally made and faithfully continued, was the seed *taken from the tallest specimens with the shortest joints.* From such the greatest number of leaves and ears were produced, which, in a green state with the stalk, yielded a much larger amount of green fodder than any other Corn among a dozen different varieties experimented with.

Price, per qt., 20 cents; half-peck, 40 cents; peck, 75 cents; bush., $2.50.



"And the maize-field grew and ripened,
Till it stood in all the splendor
Of its garments green and yellow,
Of its tassels and its plumage,
And the maize ears full and shining
Gleamed from bursting sheaves of verdure."
—*Longfellow's "Hiawatha."*

FIELD CORN.

VARIETIES FOR FIELD CULTURE.

	Qt.	Pk.	Bush.
ANGEL OF MIDNIGHT, a new variety. (See Novelties.)	.30	$1.25	$4.50
Waushakum, an eight-rowed, yellow flint variety. Ears eight to ten inches long, cob white, and very small. It is very hardy, and possesses great yielding capacity	.15	.75	2.00
Milliken's Prize Yellow, an excellent variety for main crop; ears long, sometimes twelve to fifteen inches; large kernel and small cob; a sort safe to plant in this latitude; yields immense crops	.03	.15	2.00
Longfellow, yellow flint, eight-rowed. Ears ten inches long and upwards. It is a large yielder, and especially adapted to the northern and middle sections	.15	.75	2.00
EARLY GOLDEN DENT, or PRIDE OF THE NORTH, a very early dent variety, ripening with the flint sorts, and can be successfully grown farther north than any other variety of dent corn. Stalks small with broad leaves. Ears short, twelve to sixteen rowed, well filled. Grain long, yellow, making an extra quality of meal. This is the only variety of dent corn which will ripen in the New England States. Our stock is of a special strain and cannot be excelled	15.	.75	3.00

CORN (for Ensilage or Fodder).

BRECK'S BOSTON MARKET. (See description, page 16.)	.20	.75	2.50
BLUNT'S PROLIFIC, an early eight-rowed, half-dent variety, with short, uniform, well-shaped ears; remarkably prolific. We have sold this variety of corn largely for the purpose of ensilage, and have yet to learn where it has failed to give perfect satisfaction. Our stock is genuine and of choicest quality	.15	.75	2.50
Evergreen Sweet Fodder Corn, for cutting green and feeding to stock this variety excels all others in tenderness, sweetness and nutriment; and, as its name indicates, it will remain in a green and tender state without maturing longer than any other variety	—	—	2.00
White Southern Corn, excellent for fodder and ensilaging purposes	—	—	1.25

CORN SALAD, or FETTICUS.

German, *Lammersalat.* — French, *Mache.* — Spanish, *Macha Valerianilla.*

If by mail, in packages of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Used as a salad. It is sown very early in Spring, in rows one foot apart, and is fit for use in six or eight weeks from the time of sowing.

	Pkt.	Oz.	Lb.
Large-leaved	.05	.15	$1.00

COLLARDS.

French, *Chou.* — German, *Blatter Kohl.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow for succession from June to August, and treat as cabbage, in rows one foot apart. Price, per pkt., 5 cents; ounce, 20 cents; ¼ lb., 60 cents; 1 lb., $2.00.

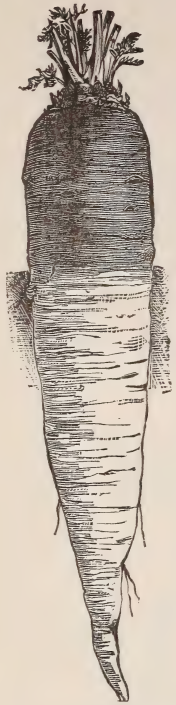
CRESS, or PEPPER GRASS.

German, *Kresse.* — French, *Cresson.* — Spanish, *Mastruco.*

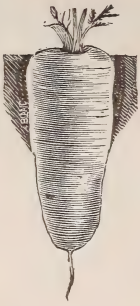
If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

A well-known pungent salad. Cover very slightly; sow at frequent intervals to keep up a succession, as it soon runs to seed.

	Pkt.	Oz.	Lb.
Early Curled, very fine; may be cut two or three times	.05	.10	$0.50



LONG RED ALTRINGHAM CARROT.



FRENCH FORCING CARROT.



EARLY HORN CARROT.



DANVERS HALF LONG CARROT.



LONG ORANGE CARROT.



EARLY CLUSTER AND LONG GREEN CUCUMBER



WHITE SPINE CUCUMBER.



EARLY RUSSIAN CUCUMBER.



GREEN PRICKLY CUCUMBER.

CRESS (Water).

German, *Brunnenkresse.* — French, *Cresson de Fontane.* — Spanish, *Berro.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

This is a well-known hardy perennial aquatic plant, growing abundantly along the margins of running streams, ditches, and ponds, and sold in our markets in Spring. Where it does not grow naturally, it is easily introduced by planting along the margins of ponds or streams, where it increases, both by spreading roots and by seeding. It has a particularly pleasant, pungent taste, agreeable to most people. Price, per pkt., 10c.; per oz., 40c.; per lb., $4.00.

CUCUMBER.

German, *Gurken.* — French, *Concombre.* — Spanish, *Pepino.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

For an early crop sow as soon as the weather becomes warm, in hills about four feet apart. Put a large shovelful of well-rotted manure in each hill. Sow liberally, as the yellow bug will require a part, and it is best to have a surplus of plants. Sow for pickling from the middle of June to the middle of July.

	Pkt.	Oz.	Lb.
IMPROVED WHITE SPINE, the *best* table variety, also the best for forcing; grows straight and smooth, tender and of excellent quality, and a great bearer	.05	.15	$1.00
Early Green Cluster, a short, very early variety, bearing in clusters near the root	.05	.15	1.00
BOSTON PICKLING (*true Arlington stock*), extensively grown by the market-gardeners in the vicinity of Boston. It is very productive, of superior color and quality, and unsurpassed for pickling	.05	.15	1.25
Early Frame, an old and popular variety, of medium size, straight and handsome; excellent for pickles when young	.05	.15	1.25
Early Russian, the earliest variety, small and short, very hardy and productive	.05	.15	1.25
Tailby's Hybrid, a cross between the White Spine and an English Frame variety; uniformly straight and smooth; valuable for forcing	.05	.15	1.25
IMPROVED LONG GREEN, the standard late sort. Vines vigorous and productive, forming fruit fit for the table nearly as early as the shorter sorts; fruit about twelve inches long, firm and crisp, with very few seeds. The young fruit makes one of the best of pickles, and when ripe is the best of any for sweet pickles	.05	15.	1 00
Green Prolific, one of the best pickling sorts and a great favorite among the New York market-gardeners; immensely productive	.05	.15	1.00
West India Gherkin, a very small, oval-shaped prickly variety, have somewhat the appearance of a burr. It is used only for pickling	.10	.20	2.00

ENGLISH FRAME CUCUMBERS (for Forcing).

Sow in small pots from the middle of January, in a hot-bed or hot-house. When grown to three leaves, plant out in a previously prepared hill of loose, rich soil, in the center of the sash. Keep a temperature of 65 degrees at night, to 75 or 80 degrees, with sun heat. Per packet, 25 cts.

Improved Sion House.
Duke of Edinburgh.
Blue Gown.
Gen. Grant.
Rollinson's Telegraph.
Kelway's Paragon.
Marquis of Lorne.
Carter's Model.
Carter's Best of All.

DANDELION.

German, *Pardeblum.* — French, *Pisse-en-lit.* — Spanish, *Amargon.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

The Dandelion is cultivated for Spring greens, or for blanching for salad. The roots when dried and roasted, are often employed as a substitute for coffee. The seed should be sown in May or June, in drills half an inch deep and twelve inches apart, and the earth firmly pressed over the seed. The plants will be ready for use the following Spring.

	Pk.	Oz.	Lb.
American Improved (*Arlington stock*)	.10	.50	$6.00
Thick-Leaved French	.10	.30	3.00

EGG-PLANT.

German, *Eierpflanze.* — French, *Aubergine.* — Spanish, *Berengena*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow the seed in hot-beds the first week in April, care being taken to protect the young plants from cold at night. Plant out about June 1st, about two and a half feet apart. Sufficient plants may be raised for a small garden by sowing a few seeds in common flower-pots or boxes in the house.

	Pkt.	Oz.	Lb.
NEW YORK IMPROVED, the leading market variety; excellent and very productive	.10	.50	$6.00
Early Long Purple, differing in shape from the foregoing; early, hardy, and productive	.10	.40	4.00
Black Pekin, early, fruit jet black, round in form and very solid, and of very superior quality	.10	.60	6.00

ENDIVE.

German, *Endivien.* — French, *Chicoree.* — Spanish, *Endivia.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow for an early supply about the middle of April. As it is used mostly in the Fall months the main sowings are made in June and July, from which plantations are formed at one foot apart each way, in August and September. It requires no special soil or manure, and after planting is kept clear of weeds until the plant has attained its full size, when the process of blanching begins. Gather up the leaves and tie them by their tips in a conical form with bass matting. The inner leaves, in the course of from three to six weeks, according to the temperature at the time, become blanched.

	Pkt.	Oz.	Lb.
Moss Curled, a beautiful curled variety of fine quality	.05	.25	$2.50
Broad-Leaved Batavian (Escarolle). Chiefly used in soups and stews; requires to be tied up for blanching	.05	.20	2.25
Green Curled, very hardy; leaves dark green, tender and crisp	.05	.25	2.50
White Curled, leaves pale green; should be used when young	.10	.35	3.50

GARLIC.

German, *Knoblauch.* — French, *Ail.* — Spanish, *Ajo.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

A species of onion, propagated by off-sets; used for flavoring soups, stews, and other dishes. Divide a bulb into small parts and plant them in early Spring, in rows one foot apart, and from one to five inches between the plants in the rows. The crop matures in August, when it is harvested like the onion.

Garlic Sets.....Per lb., 40 c.

KALE. See Borecole.

KOHL-RABI.

German, *Kohl-Rabi.* — French, *Chou-Rave.* — Spanish, *Col de nabo.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Kohl-Rabi, or Turnip-Stemmed Cabbage, is a vegetable that is not so much cultivated as it deserves to be. The stem above the ground swells into a bulb somewhat resembling a turnip; this again is crowned with leaves. The edible part is the bulb, which is dressed and served like turnips, and is very delicate and tender. The seeds may be sown at the same period as the Ruta Baga Turnip, and cultivated in the same way, remembering to leave the chief part of the stems uncovered by the earth.

	Pkt.	Oz.	Lb.
Early White Vienna, flesh white and tender; the best market sort, excellent for table use	.05	.25	$2.50
Early Purple Vienna, differing from the above in color, which is of a bluish purple	.10	.30	3.00

LEEK.

German, *Lauch.* — French, *Poireau.* — Spanish, *Puerro.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow in April on a well-prepared piece of ground, and transplant in June into rows fifteen inches apart and four to six inches from each other in the rows. Hoe up the earth about the stems as they continue to grow, so as to blanch them and make them tender. Cutting off the tops of the leaves three or four different times in the season is beneficial, as it makes them throw out new heart-leaves. The soil should be rich but not fresh manured.

	Pkt.	Oz.	Lb.
Large Flag (imported), a large growing variety, with broad, thick leaves	.05	.25	$2.00
Giant Carentan, a mammoth-growing variety of excellent quality	.10	.30	3.00
Musselburgh, grows to a large size	.10	.35	4.00

LETTUCE.

German, *Lattich-Salad.* — French, *Laitue.* — Spanish, *Lechuga.*

(For price on Lettuce Plants, see Vegetable Plants.)

If by mail, in quantities of ¼ lb. or upward, postage must be added at the rate of 16 cents per lb.

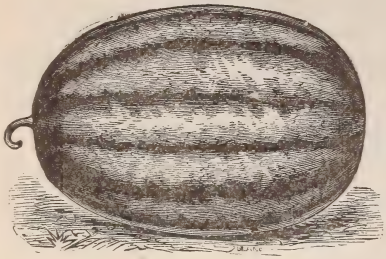
Lettuce is easy of cultivation, but likes a good, rich soil. For early use sow under glass in February and March, and transplant in a well-prepared bed as soon as the ground can be worked. Later sowings may be made in the open ground, at intervals of two weeks, for succession, as long as the weather permits; thin out well and set in rows two feet apart and a foot between the plants. Lettuce requires good ground and abundant moisture.

	Pkt.	Oz.	Lb.
BRECK'S BOSTON MARKET HEAD (our own stock), for glass culture; a superb variety, grows very compact, and is beautifully white and crisp; the best for forcing, and a profitable variety for market-gardeners	.10	.50	$5.00
Early Curled Simpson, an improved variety of the Silesia, and an excellent sort for forcing or for early out-door culture	.05	.20	2.00
Early Curled Silesia, a good early variety, leaves large, light yellow, wrinkled	.05	.20	2.00
TENNIS BALL, (black seeded), well formed heads, hardy and crisp, of excellent quality; one of the earliest of the heading varieties and very popular among Boston market-gardeners for Summer growing	.10	.40	4.00
Boston Curled, a variety of superior quality and great beauty, ornamental in growth, being exceedingly curled	.05	.35	4.00
ALL THE YEAR ROUND, a hardy, crisp-eating, and compact-growing variety, with small, close heads of a dark green color; an excellent Summer lettuce, and valuable for forcing	.05	.25	2.50
Paris White Cos, one of the best of the upright varieties; tender and crisp; should be tied up to insure blanching	.05	.25	2.50
Hanson, one of the best varieties in cultivation; heads large, solid, heavy, and very crisp and tender. The leaves are of a beautiful green outside and white within; endures the Summer heat well	.05	.20	2.00
Green Fringed, a new variety, of a delicate and peculiar shade of green, producing an abundance of tender leaves fit for use nearly all Summer. It is very ornamental on the table, and desirable for market or family use,	.05	.25	2.50
EARLY PRIZE HEAD, forms a mammoth plant, in which even the outer leaves are crisp and tender, and remain so throughout the season. It is slow to run up to seed, of superb flavor and very hardy	.05	.25	2.50
Large White Summer Cabbage, excellent for Summer, heads of good size, close and well formed	.05	.20	2.00

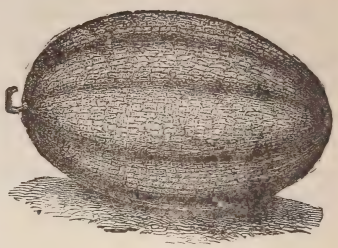
MARTYNIA.

The seed pods are used for picking, and should be gathered green while tender. Sow in the open ground in May, and transplant two feet apart.

	Pkt.	Oz.	Lb.
Martynia Proboscidia	.05	.40	$4.00



CUBAN QUEEN WATER MELON.



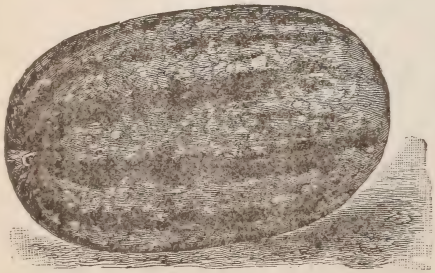
GREEN CITRON MUSK MELON.



BAY VIEW HYBRID MUSK MELON.



CASABA MUSK MELON.



IRON CLAD WATER MELON.



MONTREAL IMPROVED NUTMEG MUSK MELON.

MELON (Musk).

German, *Melone.* — French, *Melon.* — Spanish, *Melon.*

If by mail, in quantities of ¼ lb. or upward, postage must be added at the rate of 16 cents per lb.

Melons like a moderately enriched light soil. Plant late in Spring in hills, well mixed with thoroughly-rotted compost, five or six feet apart each way, twelve or fifteen seeds in each hill, and when well up thin out three or four of the best plants. Pinch off the ends of the shoots as the growth becomes too luxuriant: it will strengthen the vine and cause the fruit to ripen quicker.

	Pkt.	Oz.	Lb.
MONTREAL GREEN NUTMEG, nearly round, flattened at the ends; deep, regular ribs; skin densely netted; flesh thick and of delicious flavor. (See Novelties.)	.10	.20	$1.50
BAY VIEW, the largest, most prolific, best flavored, and finest cantaloupe in cultivation; luscious and sweet, and very hardy; picked green, it will ripen up finely, and carry safely for a long distance	.05	.15	1.25
NETTED GEM, in form a perfect globe, skin green, ribbed and netted; flesh light green, melting, and of luscious flavor; early, prolific, and keeps well; the most profitable small musk-melon that can be raised,	.05	.15	1.25
Green Citron, fruit medium size, deeply netted, flesh green and of a rich, delicious flavor	.05	.10	1.00
Hackensack, a variety of the Green Citron; grows to a large size; very productive and of exquisite flavor	.05	.15	1.50
Early Christiana, green with yellow flesh. It is ten days earlier than the Nutmeg, of fine flavor, and a most excellent sort	.05	.15	1.75
Skillman's Netted, form roundish oval; flesh deep green, sweet and richly perfumed; an early and delicious variety	.05	.10	1.00
Pineapple, medium size, dark green oval, netted, flesh thick, sweet and juicy,	.05	.15	1.25
Casaba, a large variety, of delicious flavor; one of the finest varieties grown,	.05	.10	1.00
WHITE JAPAN, an early, medium-sized, roundish variety; skin cream white and fine flavored	.05	.15	1.25
Large Yellow Musk, a very large variety, deeply ribbed and thickly netted; flesh salmon yellow, thick and sweet. Used in the green state for "Mangoes"	.05	.10	1.00
SURPRISE, this is a new variety and noted for its fine musky flavor; medium size, flesh bright yellow, highly recommended	.05	.15	1.25

MELON (Water).

French, *Melon d'eau.* — German, *Wassermelone.*

If by mail, in quantities of ¼ lb. or upward, postage must be added at the rate of 16 cents per lb.

The Water Melon is a tropical fruit, and can be produced to perfection only on warm, light soil, and under a bright, hot sun. Although the finest Melons are produced on light, sandy soil of pure quality, a vigorous start for the young vines is necessary, and for this we need a hill of rich earth, similar to that for cucumbers. If very large fruit is desired, pick off all but one of the fruit.

	Pkt.	Oz.	Lb.
PHINNEY, a bright red flesh, sweet, tender, and well-flavored; fine market variety	.05	.10	$1.00
Gipsy, a very superior variety; oblong, light green, beautifully mottled and striped with white; flesh scarlet, very solid and of delicious flavor; one of the best market varieties	.05	.10	1.00
Black Spanish, round, very dark green, with scarlet flesh and black seeds. Very thin rind, rich, sugary flavor	.05	.10	.80
MOUNTAIN SWEET, one of the very best for general culture; color dark green, rind thin, flesh scarlet, solid, very sweet and delicious	.05	.10	.80
Ice Cream, medium size, nearly round, color pale green, white seed, thin rind, flesh solid, scarlet, crisp, of delicious flavor	.05	.10	1.00
Citron, for preserving; grows uniformly round and smooth; striped and marbled with light green; flesh white and solid, seeds red	.05	.10	.80
PEERLESS, one of the best Water Melons in cultivation Of medium size, thin rind, light mottled green; flesh bright scarlet, solid to the center, crisp, melting and sweet as honey	.05	.10	1.00

	Pkt.	Oz.	Lb.
SCALY BARK, recently introduced and recommended for the great strength of its rind, and on this account will prove a valuable shipping variety. Flesh crimson, good flavor, thin rind, and will average 30 to 35 pounds weight	.10	.20	$1.75
CUBAN QUEEN, this is one of the largest and most productive varieties grown. Rind thin and solid, with dark and light green stripes; flesh bright scarlet, crisp and sweet; a good keeper and stands transit well	.05	.10	1.50
Mammoth Iron Clad, a new variety and well worthy of cultivation. Produces melons of large size and very solid; flesh crimson, crisp and luscious; very desirable for market	.05	.10	1.50
THE "BOSS," oblong in shape, and of nearly the same diameter throughout; skin very dark green; flesh deep scarlet, and of unusually rich flavor; early, heavy, productive, and a good shipper	.05	.10	1.50

MUSHROOM.

German, *Champignon.* — French, *Champignon.* — Spanish, *Hongo.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Mushrooms may be grown in a cellar or shed, or in beds prepared in the open air in the same manner as hot-beds. Take fresh horse manure, add to every barrow-load about the same weight of fresh loam that has not been manured, shake the whole well apart, and lay it into a heap to ferment. Turn and *mix it well every three or four days*, so that every part of it may be equally fermented and deprived of its noxious quality. When the dung is in a fit state to be made into a bed, which will be in two or three weeks after it has been put together to ferment, select a dry spot for a foundation. Mark out the bed, which should be four feet wide, and as long as you choose to make it. In making the bed, first spread over it a thin layer of the prepared dung; pound this firmly down with a brick, then another layer pounded down as before, and so on until the bed reaches a depth of eight inches, *no more and no less.* In this state it may remain until the temperature is about 74 degrees. Divide the large cakes of spawn into small lumps, plant two inches below the surface, six inches apart; let it remain in this condition ten or twelve days, then cover with two inches of fine light soil, and press down evenly and protect from heavy rains. The Mushrooms will make their appearance in from four to six weeks according to the season. After the bed has been spawned do not water unless quite dry; use lukewarm water only.

	1 lb.	4 lb.	7 lb.
ENGLISH MUSHROOM SPAWN (in bricks)	.20	.75	$1.00
	2 lb.	3 lb.	4 lb.
FRENCH MUSHROOM SPAWN.	$1.25	$1.60	$2.00

MUSTARD

German, *Senf.* — French, *Moutarde.* — Spanish, *Mostaza.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Cultivated as a salad. The leaves are used like cress, when very young. Sow thickly in rows at different times from April to June, and cut when about two inches high; for use during Winter, it may be sown at intervals in boxes, in the green-house, or in a frame.

	Oz.	Lb.
White London	.05	$0.25
Brown or Black, more pungent in flavor than the White	.05	.25
Chinese, leaves twice the size of the ordinary White Mustard, of a deeper green, flavor pleasantly sweet and pungent, and profitable as a salad	.15	.50

NASTURTIUM, or INDIAN CRESS.

German, *Indianische Kresse.* — French, *Capucine.* — Spanish, *Capuchina.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Cultivated both for use and ornament; the seeds while young and succulent are pickled and used as capers. The young leaves are also useful in salads. Its beautiful scarlet and orange colored flowers, which bloom freely all Summer, add a charm to the garden.

	Pkt.	Oz.	Lb.
Tall, excellent for covering fences, trellis work, etc	.05	.30	$2.50
Dwarf, good for borders	.05	.50	3.00

OKRA, or GUMBO.

German, *Essbarer*.— French, *Gumbo*.— Spanish, *Quibombo*.

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

This vegetable is of the easiest culture, and grows freely, bearing abundantly in any ordinary garden soil. Sow early in May, in drills two inches deep, setting the plants from two to three feet apart.

	Pkt.	Oz.	Lb.
Improved Dwarf Green, early and productive	.05	.10	$1.00
Tall White, about six feet high; pods eight to ten inches long, an inch and a half thick at the stem tapering to a point	.05	.10	1.00

ONION.

German, *Zwiebel*. — French, *Ognon*. — Spanish, *Cebolla*.

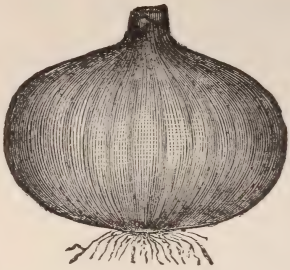
If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

The Onion thrives best in a rather strong, deep, rich, loamy soil, and succeeds well when cultivated on the same ground for successive years. The ground should be well enriched with very old stable manure or compost, or what is better, deeply trenched and manured the previous Autumn, and laid upon ridges during the Winter to soften. As early in Spring as the ground is in working order, level the same with an iron rake, and tread it firmly; sow thinly in drills about a quarter of an inch deep and one foot apart; cover with fine soil and finish by pressing the earth well upon the seed with a board laid lengthwise on the row and walking across it. When the young plants are strong enough, thin gradually, so that they stand three or four inches apart. Keep the surface of the ground open and free from weeds by frequent hoeing, taking care not to stir the soil too deeply nor collect it about the growing bulbs. ***Our Onion seed is all Eastern grown, and of the choicest quality.***

	Pkt.	Oz.	Lb.
LARGE RED WETHERSFIELD, this is the standard variety, and the favorite onion in the East, where immense crops are grown for shipment. Large size; skin deep purplish red; form round, somewhat flattened; flesh purplish white; moderately fine-grained, and stronger-flavored than any of the other kinds. Very productive, the best keeper, and one of the most popular for general cultivation	.05	.25	$2.50
Early Large Red, this variety ripens about ten days earlier than the Large Wethersfield, and is rather smaller in size but close-grained and heavy; it is mild in flavor, and a good keeper	.05	.25	2.50
Red Globe, a fine globe-shaped onion of superior quality	.05	.25	2.50
YELLOW GLOBE DANVERS, a very excellent variety of globular shape; flesh white and mild-flavored; skin brownish yellow. It is very productive and a good keeper. ***Buxton's stock***	.05	.25	3.00
White Portugal, a handsome onion of mild flavor, fine for early Winter use, and much used for pickling when small. It is not a good keeper	.05	.25	3.00
Queen, the earliest of all onions; remarkable for the rapidity of its growth, and very mild flavor	.05	.25	3.00
WHITE GLOBE, a large, globe-shaped onion; firm, fine-grained, of mild flavor; keeps well; commands the highest market price	.10	.30	3.25

NEW ITALIAN ONIONS.

Giant White Italian Tripoli, grows to an enormous size, and is of a mild and pleasant flavor	.10	.25	2.50
Large Italian Red Tripoli, bulbs of this variety were exhibited in England weighing two and one half pounds; flavor is exceedingly mild and pleasant	.10	.25	2.50
New Giant Rocca of Naples, light brown skin; delicate flavor, and of globular form	.10	.25	2.50



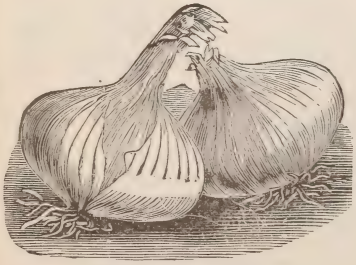
LARGE RED WETHERSFIELD ONION.



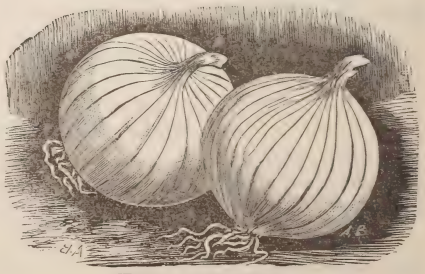
RED MAMMOTH TRIPOLI ONION.



YELLOW GLOBE DANVERS ONION.



WHITE PORTUGAL ONION.



WHITE GLOBE ONION.

ONION SETS.

If by mail, postage must be added at the rate of 25 cents per quart.

The sets should be planted out as early in Spring as the ground is dry enough to work; plant them in rows one foot apart, with sets three or four inches apart. When raised from sets the Onions can be used in the green state in June, or they will be ripened off by July.

	Qt.	Pk.		Qt.	Pk.
White Onion Sets	.30	$2.00	**Potato Onions**	.30	$2.00
Yellow Onion Sets	.30	2.00	**Top, or Button Onions**	.30	2.00

PARSNIP.

German, *Pastinake.* — French, *Panais.* — Spanish, *Pastinaca.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow thick in April, in rows twelve inches apart and one inch deep, in a rich, deep soil, well manured the previous Fall, or with fine dung early in March. When the plants are two or three inches high, thin out to five or six inches apart in the rows. Unlike carrots they are improved by frost, and it is usual to take up in the Fall a certain quantity for Winter use, leaving the rest in the ground until Spring, to be dug up as required.

	Pkt.	Oz.	Lb.
Long Smooth, or Hollow Crown, best for general use	.05	.10	$0.60
The Student, a fine flavored variety	.05	.10	.60
Early Round, an early variety but of small size	.05	.10	.60

PARSLEY.

German, *Petersilie.* — French, *Persil.* — Spanish, *Perejil.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Parsley loves a rich and tolerably deep soil. Soot is a manure very congenial, and may be added to the compost. Soak the seeds a few hours in tepid water, and sow early in the Spring in one foot drills; thin out the plants to three or four inches apart; a single row forms a very good edging for beds or walks. The seed germinates very slowly, and sometimes two or three weeks will elapse before the plants make their appearance. It often fails entirely in dry weather. One ounce of seed will sow about two hundred feet of row. To have Parsley green during Winter remove some plants into a light cellar, and treat them as in open culture in Autumn.

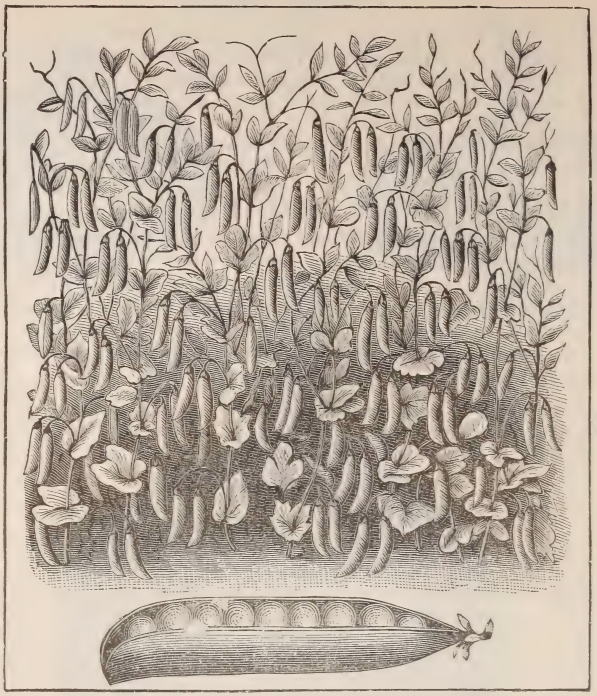
	Pkt.	Oz.	Lb.
New Fern-leaved, most exquisite in form and coloring, and admirably suited for mixing with dwarf ornamental foliage plants in the flower garden; also for table decoration	.05	.15	$1.25
Extra Moss Curled, leaves beautifully curled, extra fine for garnishing	.05	.15	1.25
Curled, or Double, dwarf and tender; leaves yellowish green and very beautifully crimped and curled; used principally as a garnish for the table	.05	.15	1.25

PEAS.

German, *Erbse.* — French, *Pois.* — Spanish, *Chicaros.*

If by mail, postage must be added at the rate of 30 cents per quart.

Peas come earliest to maturity in light, rich soils, but for a general crop a deep loam or moderately heavy soil is better. For early crops decomposed leaves or leaf mould should be used; if the soil is very poor stronger manure may be applied. The planting for an early crop of garden Peas should be made as early in the Spring as the ground can be worked, and repeated sowings made for every two weeks for succession until the first of June, after which they should be discontinued until August, when a crop may sometimes be secured by sowing some extra early variety. The first sowing will be earlier if covered only one inch deep; those following should be covered two to six inches deep; the deep planting preventing mildew and prolonging the season. Fresh manures, and wet, mucky soil should be avoided, as they cause the vines to grow too rank and tall. The crop should be gathered as soon as it becomes fit for use. If even a few pods begin to ripen, young pods will not only cease to form, but those partly advanced will cease to enlarge. All wrinkled Peas are superior to, more delicate in flavor, and remain longer in season than the smooth sorts, for, as in sugar-corn, the wrinkled appearance indicates the greater amount of saccharine matter.



BRECK'S EXCELSIOR PEA. (See Novelties.)

PEAS — EXTRA EARLY SORTS.

	Pt.	Qt.	Peck.
BRECK'S EXCELSIOR. (See Novelties.) We feel justified in claiming that this pea is unsurpassed for general gardening purposes, not only because of its extreme earliness, but also on account of its great productiveness and superior quality. It has justly acquired great popularity with all market-gardeners, with whom it has become the standard extra early. It ripens very evenly, all the pods coming to maturity in about forty-five days after planting, so that frequently the first crop can be harvested and the ground made ready for the planting of a second crop within seven weeks' time from the first planting. The vines are small, bearing three to seven straight pods, which contain six to eight medium-sized round peas of best quality. We have received many hundreds of unsolicited testimonials from all sections speaking in the highest terms of this pea, and cannot recommend it too highly to our patrons	.20	.40	$2.00
BLISS' AMERICAN WONDER, one of the earliest and most prolific dwarf wrinkled peas in cultivation.—a cross between the Champion and Little Gem, which is a sufficient guaranty of its superior qualities. On good soil each vine will average twelve pods, and each pod six peas; fifteen pods have been counted on some vines. The vine is very dwarf, growing from eight to ten inches high	.20	.40	2.00
Improved Daniel O'Rourke, a favorite extra early variety	.15	.30	1.50
Blue Peter, sometimes called Blue Tom Thumb. A blue pea of fine quality; as dwarf as the Tom Thumb, and a great producer	.15	.30	1.50

	Pt.	Qt.	Peck.
Philadelphia Extra Early, favorite market variety in the Southern states; very early	.15	30.	$1.50
Tom Thumb, very dwarf, not exceeding nine inches in height, stout and branching; very early, of excellent quality, yields abundantly	.15	.30	1.50
Alpha, one of the earliest wrinkled peas; blue, of exquisite flavor, remarkable for its earliness and prolific bearing	.15	.30	1.50
EXTRA EARLY PREMIUM GEM, grows to the height of eighteen inches; pods long and of a dark green color; very prolific, and one of the earliest	.15	.30	1.50
McLEAN'S LITTLE GEM, a dwarf, prolific, green, wrinkled marrow; habit similar to Tom Thumb; a great acquisition; very early; height one foot, requires no sticks	.15	.30	1.50
Kentish Invicta, a round, blue variety, about two feet in height; very early and of superior flavor	.15	.30	1.50

EARLY SORTS.

ADVANCER, a dwarf, green, wrinkled marrow, of fine flavor, long pods, well filled up, very prolific; two and a half feet high	.15	.30	1.75
Carter's First Crop, an English variety; early, productive, and of good flavor; grows two and a half feet high, the haulm being literally covered with pods	.15	.30	1.50
BLISS' ABUNDANT, vine of medium height, and bearing along its entire length numerous well-filled pods, each containing six to eight medium-sized, roundish, wrinkled peas, which are of most superior flavor; is considered one of the very best in quality	.15	.30	1.75
BLISS' EVERBEARING, a new variety, maturing soon after the Gems, and continuing a long time in bearing; vine stout, about eighteen inches high, bearing at the top six to ten broad pods; peas wrinkled, large, very tender, and of superior flavor	.15	.30	1.75

GENERAL CROP.

CHAMPION OF ENGLAND, universally admitted to be one of the richest and best-flavored peas grown, and very productive; height four or five feet; seed whitish-green and much shriveled. We consider this equal in quality to any in cultivation, either for the amateur or market-gardener, as it is always more salable than other sorts	.15	.30	1.50
STRATAGEM. (See Novelties.)	.25	.50	3.00
Telegraph, a cross between Veitch's Perfection and Laxton's Long Pod second early; of robust habit, bearing immense pods. The peas are large, and when cooked of a deep-green color and very sweet	.25	.50	3.00
YORKSHIRE HERO, this magnificent variety has become very popular; as a main crop pea it has few if any equals. Long, round pods, closely filled with large luscious, wrinkled peas; of extra fine quality for table use, and very productive	.15	.30	1.50
Dwarf Blue Imperial, a good Summer pea; prolific and of fine flavor; height two and a half feet, a favorite with market-gardeners	.15	.30	1.50
LARGE BLACK-EYED MARROWFAT, an excellent variety, growing about five feet high; pods large and full; a prolific bearer, and can be recommended as one of the very best Marrowfat sorts	.10	.20	.75
Large White Marrowfat, similar to the Black-eyed in all its features except in growth; it is a stronger grower, and not quite as productive	.10	.20	.75

EDIBLE PODDED PEAS.

Early Dwarf Wrinkled Sugar, a French variety, early, and of good quality,	.25	.50	3.00
Tall Sugar, can be used either shelled or cooked in the pods, which, when young, are very tender and sweet	.25	.50	3.00

PEPPER.

German, *Pfeffer.* — French, *Piment.* — Spanish, *Pimiento.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Plant in hot-beds in March, and transplant into the open ground the latter part of May, in rows about twenty inches apart and eight inches apart in the row. Repeated hoeings promote their growth.

	Pkt.	Oz.	Lb.
LARGE BELL, or BULL NOSE, fruit large; an early, sweet and thick, fleshy, tender rind variety	.05	.30	$3.50
Cayenne, Long Red, the pods of this variety are from three to four inches in length, cone-shaped, and coral red when ripe. Both ripe and green pods are used as pickles, also for making pepper sauce	.05	.30	3.50
Squash, or Tomato Shaped, the kind most generally grown for pickling; an excellent sort	.05	.30	3.50
SWEET MOUNTAIN, or MAMMOTH, similar in shape to the Large Bell, but of much larger size; rind thick, fleshy and tender, much used for pickling, stuffed like mangoes	.05	.30	3.50
Red Cherry, fruit round; very productive and ornamental	.05	.30	3.50

PUMPKIN.

German, *Kurbis.* — French, *Courge.* — Spanish, *Calabaza.*

If by mail, in quantities of ¼ lb. or upward, postage must be added at the rate of 16 cents per lb.

The Pumpkin is now little used, except for agricultural purposes, the Squashes being so much sweeter and drier and finer grained for the kitchen. The farmer, however, finds the Pumpkin a serviceable addition to his feed.

	Pkt.	Oz.	Lb.
Sweet Sugar, round, not large but very sweet, and an excellent table variety,	.05	.15	$1.25
Mammoth, grows to an immense size, often weighing over one hundred pounds	.10	.30	3.00
Connecticut Field, very productive; largely grown for feeding stock	.05	.10	.25
			Per bushel, $4.00

POTATOES.

NEW AND CHOICE VARIETIES.

Of the many varieties of Potatoes that claim public favor, we have selected only a few, and these the best in cultivation. We aim to include in our list only those sorts which we have found by actual test are worthy of confidence. Orders will be booked as received, and shipped in rotation, after danger of freezing is over; and as Potatoes are of perishable character, we assume no responsibility for damages incurred in transit, but we will, of course, exercise the greatest care to guard against sudden changes in the temperature. Prices are for Boston.

	Peck.	Bush.	Bbl.
BELLE, a stout, vigorous grower, of good quality, and handsome appearance,	.60	1.75	$3.75
Beauty of Hebron, an excellent early variety, with pure white skin and flesh, large size, and solid to the center; very fine flavor, and a tremendous yielder	.50	1.50	3.50
Chicago Market, extra early; tubers large and uniform; skin light flesh-color, partially russet-coated; eyes few and shallow; flesh dry and of excellent flavor; very productive	.50	1.50	3.50
Clark's No. 1, this is one of the best potatoes ever introduced, being earlier than the Early Rose; of fine flavor, and wonderfully productive	.60	1.75	4.00
DAKOTA RED, new; tubers very large; not red, but darker than the Early Rose; eyes quite deeply set; skin rough and netted. As a variety to grow for heavy yield it is one of the best	.50	1.50	3.50
Early Ohio, this variety is a few days earlier than the Early Rose, and similar in color and habit of growth; is more productive, and equally as good for the table and market purposes	.50	1.50	3.50

	Peck.	Bush.	Bbl.
Houlton Early Rose, this variety is so well known that it needs no description. Our stock is true, and not the mixture generally to be found in the market	.40	$1.35	$3.00
Early Vermont, this variety has proved itself to be one of the most reliable potatoes; cooks dry and mealy, and keeps well	.50	1.50	3.50
Early Sunrise, a very early and productive variety; tubers are oblong, solid, uniform, and handsome; the flesh is white and fine-grain and dry, cooking well even when first dug	.60	1.50	3.75
PEARL OF SAVOY, this new variety is the result of a hybridization of the two favorite sorts, Clark's No. 1, and Extra Early Vermont. It retains the good qualities of both, and is a great improvement over either sort, the tubers are oblong, fair, and of large size; the flesh is of a most beautiful pearl white, and very mealy. Its hardy and vigorous habit exempts it from disease, when many old varieties succumb; it is from fifteen to twenty days earlier than the Early Rose; and is very productive, yielding from 500 to 750 bushels per acre. (See Novelties)	.75	2.00	5.00
White Star, this variety has become one of our leading sorts. It is a medium early, and a remarkable keeper; the tubers are oblong, large, uniform, and handsome, while in yield it has proved remarkably productive	.60	1.50	4.00

RHUBARB.

German, *Rhabarber.* — French, *Rhubard.* — Spanish, *Ruibarbo Bastardo.*

(For price of Rhubarb Roots, see Vegetable Plants.)

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow early in the Spring, in drills a foot apart, thinning out to about the same distance apart in the rows when a few inches high. In Fall, or the following Spring, transplant into deep, rich soil about three feet apart each way. If propagated by dividing the roots, it may be done either in Fall or Spring, planting it at the same distance apart as given above.

	Pkt.	Oz.	Lb.
Linnæus, early, large, and tender	.10	.25	$3.00
Victoria, very large, later than Linnæus	.10	.25	3.00

RADISH.

German, *Rettig, Radieschen.* — French, *Radis, Rave, Petit Rave.* — Spanish, *Rabano.*

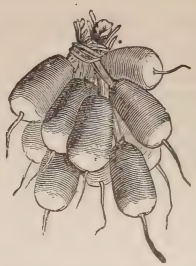
If by mail, in packages of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Radishes require a light, rich, sandy loam; heavy or clayey soils not only delay their maturity, but produce crops much inferior, both in appearance and especially in flavor. For a constant supply, sow from the middle of March until September, at intervals of two or three weeks. For an early supply, they may be sown in a hot-bed in February.

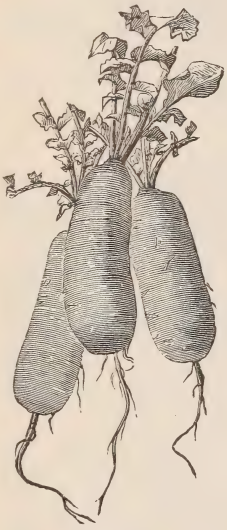
	Pkt.	Oz.	Lb.
Long Scarlet Short-Top, the standard variety for market and private gardens,	.05	.10	$0.80
LONG SCARLET SHORT-TOP, extra market-gardener stock; ***American grown***	.05	.10	1.00
Scarlet Turnip, rather more delicate in flavor than the above; excellent for Summer use	.05	.10	.80
French Breakfast, a variety of quick growth, very mild and tender, form oval, color scarlet, tipped with white	.05	.10	.80
FRENCH BREAKFAST, extra market-gardener stock; ***American grown***	.05	.10	1.25
Olive-Shaped Scarlet, oblong-shaped, flesh rose-colored; a good Summer variety	.05	.10	.80
Rose China Winter, bright rose-color; flesh firm and piquant, excellent for Winter use	.05	.10	1.00
Black Spanish, one of the hardiest and best for Winter use	.05	.10	.80
California Mammoth White, a giant white-fleshed Fall radish, of excellent quality	.05	.15	1.25
WHITE TIPPED SCARLET TURNIP, this is an early variety of medium size, of excellent flavor, and of very handsome appearance	.05	.10	.80
White Summer Turnip, excellent for Summer use, of mild flavor	.05	.10	1.00
Long Winter, an exceedingly fine Winter variety, grows somewhat larger than the Black Spanish, good keeper, and of a gray color	.05	.10	1.00



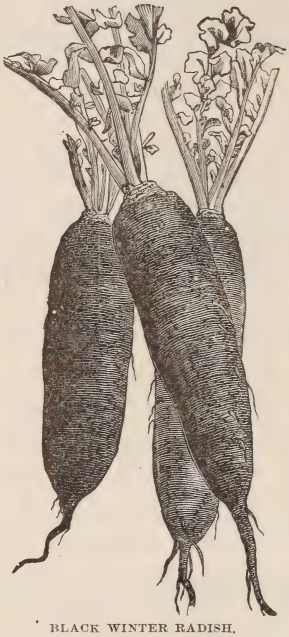
SCARLET OLIVE-SHAPED RADISH.



FRENCH BREAKFAST RADISH.



ROSE CHINA WINTER RADISH.



BLACK WINTER RADISH.



CALIFORNIA WINTER WHITE RADISH.



GOLDEN GLOBE RADISH.



WHITE TIPPED SCARLET RADISH.

SALSIFY, or OYSTER PLANT.

German, *Boksbart.* — French, *Salsifis.* — Spanish, *Ostra Vegetal.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Sow early in Spring in drills fifteen inches apart. Cover the seeds with fine soil an inch and a half in depth, and when the plants are strong enough thin out to six inches apart. The roots are taken up in the Fall and preserved in sand, or remain in the ground and are dug up in the Spring. Per pkt., 5c.; oz., 20c.; lb., $1.50.

SEA-KALE.

German, *Seekohl Meerkohl.* — French, *Crambe Maritime.* — Spanish, *Breton de Mar.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Cultivated for its blanched shoots, which are cooked as asparagus. A supply may be had all Winter by planting the roots closely in a warm cellar before frost. Sow one inch deep, in drills two feet apart, thin out to six inches, and the next Spring plant in hills three feet apart. Per pkt., 10c.; oz., 30c.; lb., $3.00.

SPINACH.

German, *Spinat.* — French, *Spinard.* — Spanish, *Espinaca.*

If by mail, in quantities of ¼ lb. or upward, postage must be added at the rate of 16 cents per lb.

Spinach likes a rich soil, and should be sown for a main crop in August or September. When cold weather sets in it should be protected from the frost by covering with straw and brush. For Summer use sow at intervals of two or three weeks from April to August.

	Pkt.	Oz.	Lb.
Prickly, or Winter, does not yield per acre as much as the round, but is hardier	.05	.10	$0.40
EXTRA LARGE ROUND-LEAVED VIROFLAY, a splendid variety of the lettuce-leaved spinach, but with leaves much longer and broader, round, thick and fleshy, dark green. Young plants transplanted into a rich soil will grow to an enormous size	.05	.10	.40
Savoy-Leaved, new, and a great acquisition; stands the Winter as well as the Prickly, and produces twice the quantity per acre; the leaf is wrinkled, similar to the Savoy cabbage	.05	.10	.40
BLOOMSDALE SPINACH, this is much superior to the ordinary round leaf, and is fast becoming popular with market-gardeners. It has a blistered leaf, which makes it springy. It lies lighter than the common sort in boxes or barrels, and being less liable to heat, will keep longer in good condition	.05	.10	.40

SQUASH.

German, *Kurbiss.* — French, *Courge.* — Spanish, *Calabasa Tontanera.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

Squashes will grow readily on almost any soil, but will well repay generous treatment. Plant in May in hills about six feet apart; have the soil well enriched with a good quantity of rotten manure or compost to each hill. Sow eight or ten seeds in a hill, to allow for loss by insects. Three or four of the strongest plants are enough to leave for each hill.

	Pkt.	Oz.	Lb.
White Bush Scalloped, an early market variety, excellent for shipping, tender and well-flavored	.05	.10	$0.80
Yellow Bush Scalloped, a sub-variety of the above, principally differing in color	.05	.10	.80
GOLDEN SUMMER CROOKNECK, early, productive, and the best for Summer use; fruit bright yellow, and covered with warty excrescences	.05	.10	1.00

	Pkt.	Oz.	Lb.
BOSTON MARROW, a much esteemed variety, coming in about ten days later than the bush sorts; color rich orange, a good keeper, and of unsurpassed flavor	.05	.10	$1.00
American Turban, one of the dryest, sweetest, finest-grained, and most delicious of all squashes	.05	.10	1.00
HUBBARD, a favorite Winter squash, and more largely grown as a late sort than any other; of large size, flesh fine-grained, dry, and of excellent flavor	.05	.10	1.00
Marblehead, an excellent variety, color of shell blue. It is remarkable for its combination of sweetness, dryness, and delicious flavor	.05	.10	1.00
ESSEX HYBRID, an improved American Turban, having the color, shape, and superior qualities of the Turban, with the dryness and hard shell of the Hubbard. It is not only one of the richest flavored, finest-grained, and sweetest of all the squash family, but one of the very best keepers	.05	.10	1.00
Large Winter Crookneck, the old standard variety, hardy, and a good keeper	.05	.10	1.00
Vegetable Marrow, a favorite English sort; skin greenish-yellow, flesh white, soft, and of rich flavor; quite distinct from any of the preceding,	.10	.20	2.00
Butman, a cross between the Yokohama and Hubbard. The flesh is between a salmon and a lemon color. It has all the qualities of a first-class squash, being very dry, fine-grained, and of excellent flavor. Size medium; color light stone, distinctly striped and splashed with yellowish white	.05	.10	1.00
PERFECT GEM, a small squash, nearly round, slightly ribbed, with a thin smooth, creamy-white skin. The flesh is fine-grained, dry, very sweet, and of delicious flavor. It is remarkable for its keeping qualities	.10	.20	1.50
Cocoanut, very prolific, producing 6 to 12 on a vine. Outer color, light yellow, the bottom of the fruit being of a rich green hue. Quality first-rate	.10	.20	2.00

KENNEY'S EARLY AMBER SUGAR-CANE.

If by mail, postage must be added at the rate of 25 cents per quart.

This variety of Sugar-Cane is highly recommended for making either syrup or sugar, coming to maturity early, *yielding enormously*, and making the best granulated sugar, equal or superior to that made by Southern cane. The yield per acre is from 150 to 200 gallons of fine syrup, and the amount of sugar produced is about 6 lbs. to the gallon of syrup. It is also very valuable as a forage plant, as it is exceedingly rich in saccharine matter, it makes a very valuable feed for milk-cows. Our stock of seed is of the purest and best quality, warranted to be genuine and true to name. Sow 12 quarts to the acre. Price, per bush., $4.00; peck, $1.25; qt., 20 cts.

SUNFLOWER.

If by mail, postage must be added at the rate of 25 cents per quart.

The Sunflower, during the past few years, has attracted considerable attention as a profitable field crop. It is claimed that it produces a larger return in forage than almost any other crop; the leaves being the parts used for stock. The seed has also a commercial value, being used for manufacturing oil. It is also being planted in low, swampy ground as an absorbent of the miasma of those sections, and with highly gratifying results.

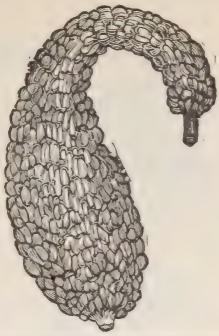
	Pt.	Qt.	Bush.
Large Russian	.10	.20	$4.00

TOBACCO.

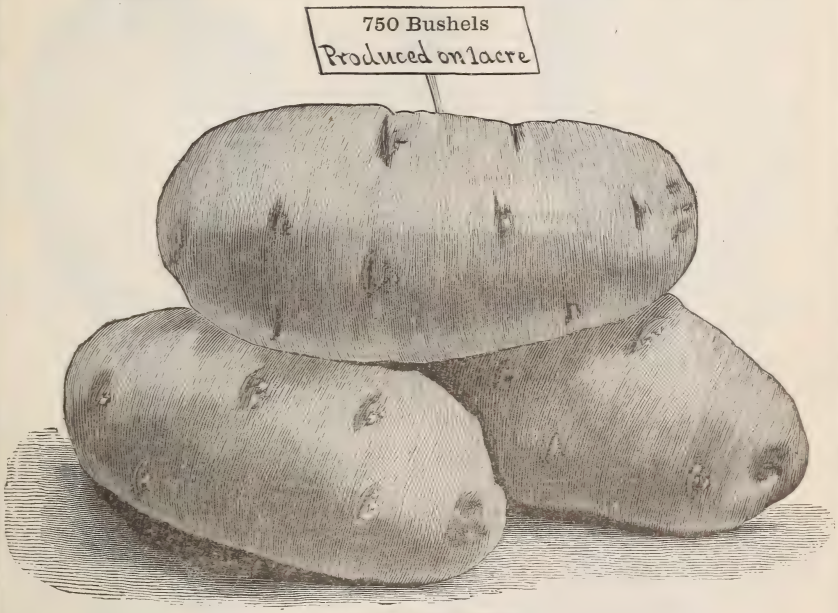
	Pkt.	Oz.	Lb.
Connecticut Seed-Leaf, this variety is best adapted to the climate of the Northern and Middle States	.10	.30	$3.00
Havana, imported seed	.10	.50	6.00
Virginia, used in the South in the manufacture of the finer grades of smoking,	.10	.30	3.00



BRAZILLIAN SUGAR SQUASH.



SUMMER GOLDEN CROOKNECK SQUASH.



PEARL OF SAVOY POTATO.



MARBLEHEAD SQUASH.



HUBBARD SQUASH.

TOMATO.

German, *Liebesapfel.* — French, *Tomate.* — Spanish, *Tomate.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

This vegetable is one of the most important of all garden products. The seed should be sown in a hot-bed about the first week in March, in drills five inches apart and half an inch deep. When the plants are about two inches high they should be set out about four or five inches apart in another hot-bed, or removed into small pots, allowing a single plant to a pot; they are sometimes transplanted a second time into larger pots, by which process the plants are rendered more sturdy and branching. About the middle of May the plants may be set in the open ground; they are planted for early crops on light, sandy soil, at a distance of three feet apart, in hills in which a good shovelful of rotten manure has been mixed. On heavy soils, which are not suited for an early crop, they should be planted four feet apart. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.

	Pkt.	Oz.	Lb.
LIVINGSTON'S FAVORITE, is a new variety, originated by Mr. Livingston. It is a very large and perfect-shaped tomato, smoother than the Paragon, darker red than the Perfection; ripens evenly; very prolific; good flavor; flesh solid; bears shipping long distances	.10	.30	$3.50
Essex Hybrid, similar to the Acme but with larger, darker-colored fruit which is always smooth and handsome; quality among the best	.10	.30	3.50
General Grant, a superior variety, of good quality, and ripens rapidly and thoroughly	.05	.25	2.50
Hathaway's Excelsior, early, of medium size, smooth, very solid, and of excellent quality	.05	.30	3.00
PARAGON, the description of the Acme will answer for this in all respects, except that in the Paragon the color is of a bright glossy crimson, entirely free from the pinkish tinge characteristic of the Acme, and for this reason it will, in some sections, be considered more desirable as a market sort	.10	.30	3.50
ACME, this tomato is one of the earliest and handsomest varieties ever introduced. The fruit is of medium size, perfectly smooth and regular in shape, very solid, and a great bearer; color quite distinct, being crimson with a pinkish tinge	.05	.25	3.00
The Trophy, this when well grown is without doubt one of the best tomatoes in cultivation. It is unsurpassed in size, flavor, and productiveness	.05	.25	2.50
Golden Trophy, a sport from the well-known Trophy, with fruit of a beautiful light yellow color, of very agreeable flavor	.10	.30	3.50
Canada Victor, one of the earliest, of medium size, very symmetrical in shape,	.05	.30	3.00
LIVINGSTON'S PERFECTION, this most desirable tomato is as early as the Canada Victor; almost round in shape, perfectly smooth, and very solid. The originator claims that this variety is far ahead of any other sort for its wonderful keeping qualities and productiveness	.10	.30	3.50
Red Cherry, a small early variety, size and shape of a cherry; for pickling	.05	.30	3.00
Yellow Cherry, similar to preceding except in color	.05	.30	3.00
Strawberry, or Winter Cherry, the fruit has a pleasant strawberry-like flavor, esteemed by many for preserving	.10	.50	6.00

TURNIP.

German, *Steckrube.* — French, *Navet.* — Spanish, *Nabo Comun.*

If by mail, in quantities of ¼ lb. and upward, postage must be added at the rate of 16 cents per lb.

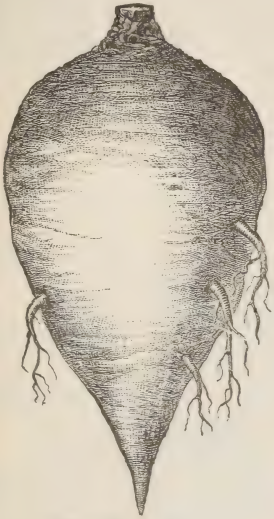
Turnips may be sown at all seasons from April to August in our climate, although those will be the best which are sown very early in Spring for Summer crop, and early in August for a Fall and Winter crop. If sown late in Spring or early in Summer, they are seldom worth much, as the weather is so warm and insects become so numerous that they are generally stringy and wormy. A light soil well manured the previous year is the best; no manure should be applied at the time of sowing, unless it be a well-decomposed compost, or the roots would be liable to be bad-



EARLY WHITE FLAT DUTCH TURNIP.



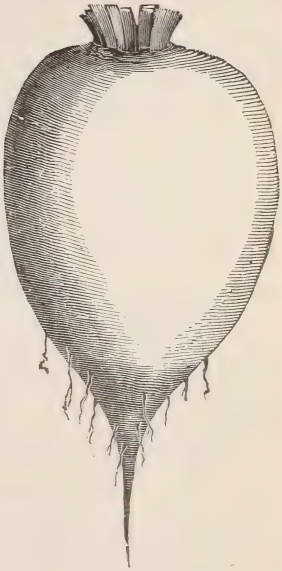
PURPLE TOP MUNICH TURNIP.



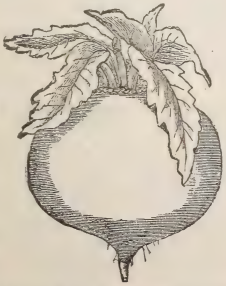
LARGE WHITE FRENCH TURNIP.



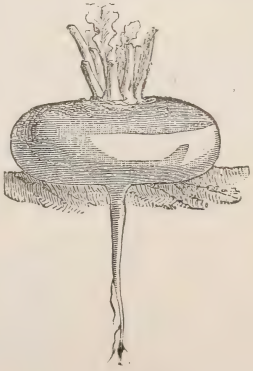
COW HORN TURNIP.



NEW EGG TURNIP.



LARGE WHITE NORFOLK TURNIP.



FLAT TOP TURNIP.

flavored. The ground should be dug and plowed deep and made mellow and fine. Sow the seed of the flat sorts broadcast, and rake in evenly. As the Spring crops are often destroyed by the turnip-fly, it is an excellent plan to strew ashes and soot over the ground just as the young Turnips are coming up. After they are well up thin to six or eight inches apart, and keep them clear from weeds. The Ruta Baga sorts should be sown in drills fifteen inches apart, and for Winter use may be sown from the twentieth of June to the middle of July on land that has been well manured for other crops in Spring; thin out as for the early crop.

	Pkt.	Oz.	Lb.
NEW EXTRA EARLY PURPLE TOP MUNICH, this is a remarkably handsome and very early turnip, with a bright purplish-red top and fine mouse-tail root, very distinct and valuable	.05	.10	$0.75
RED TOP STRAP-LEAF, rapid grower and mild flavor; the best variety for early use, either for the table or market	.05	.10	.60
White Strap-Leaf, differs from the preceding only in color	.05	.10	.60
Early Flat Dutch, an early garden variety resembling White Strap Leaf	.05	.10	.60
LARGE WHITE NORFOLK, a very large growing globe-shaped variety; flesh coarse grained and sweet; one of the best late varieties for stock, but not so desirable for table use	.05	.10	.60
Long White, or Cow Horn, flesh white, fine grained and sweet, and of excellent quality for table use	.05	.10	.60
Yellow Stone, medium size, excellent flavor and a good keeper; a popular yellow-fleshed variety for table use; is also good for feeding stock.	.05	.10	.60
YELLOW GLOBE, one of the best varieties for general crop; flesh very firm and sweet, and keeps well until very late in Spring, grows to a large size, and is excellent both for stock or table use	.05	.10	.60
GOLDEN BALL, excellent flavor, globe-shaped and a good keeper; unsurpassed for table use	.05	.10	.75
YELLOW ABERDEEN, very hardy and productive, good keeper, globe-shaped	.05	.10	.60
Early White Egg, a desirable variety, perfectly smooth and nearly egg-shaped; of rapid growth and of fine quality	.05	.10	.60
PURPLE TOP WHITE GLOBE, of globular shape, very handsome, and of superior quality, either for the table or stock; an excellent keeper, and a fine market variety	.05	.10	.75

RUTA BAGA, or SWEDISH TURNIP.

IMPROVED AMERICAN PURPLE TOP, productive, flesh yellow, solid, sweet and fine flavored, equally good for stock or table use	.05	.10	.60
Skirving's Purple Top, grows to large size, flesh firm, solid and sweet, and a good keeper	.05	.10	.60
Shamrock, one of the finest purple top varieties in cultivation, grows with small top and very few leaves, an excellent keeper, and good for stock or table use	.05	.10	.75
White French, an excellent sort for table or stock; flesh firm, white and solid, and has a very sweet flavor; a very popular variety for market culture,	.05	.10	.60
SWEET GERMAN, bulb four or five inches in diameter and six or seven in depth; neck two or three inches long; skin greenish-brown above ground, white beneath; flesh pure white, of extraordinary solidity, very sweet, mild, well-flavored; retains its solidity and freshness until Spring,	.05	.10	.60

SWEET, POT and MEDICINAL HERBS.

	Pkt.	Oz.		Pkt.	Oz.		Pkt.	Oz.
Anise	.05	$0.15	Fennel	.05	$0.15	Sage	.05	.30
Balm	.10	.50	Hop Seed	.25	2.00	Savory, Summer,	.05	.25
Brazil, Sweet	.10	.50	Horehound	.10	.50	Sorrel, B'd-leaved,	.05	.15
Borage	.05	.25	Hyssop	.10	.40	Thyme, B'd-leaved,	.10	.50
Caraway	.05	.15	Lavender	.10	.40	Tarragon	.25	1.50
Catnip	.15	.60	Marjoram	.10	.40	Winter Savory	.10	.40
Coriander	.05	.15	Rosemary	.10	.50	Wormwood	.10	.50
Dill	.05	.15	Rue	.10	.40			

FRUIT-TREE SEEDS.

	Pkt.	Oz.	Lb.
Apple	.05	.10	$0.50
Appricot Pits	.05	.10	.50
Blackberry	.15	1.00	10.00
Currant	.10	.40	4.00
Gooseberry	.15	1.00	10.00
Peach... per bush., $2.50			
Pear	.10	.25	$2.50
Quince	.10	.25	2.50
Raspberry	.15	.75	7.00
Strawberry	.15	.80	8.00

FOREST and ORNAMENTAL TREE SEEDS.

	Pkt.	Oz.	Lb.
Ash, White	.10	.20	$2.00
Ash, Mountain	.10	.20	2.00
Arbor Vitæ, American	.15	.40	4.00
Buckthorn	.10	.15	1.50
Cedar, Red	.10	.15	1.25
Fir, Balsam	.15	.30	3.00
Fir, Scotch	.10	.25	2.50
Fir, Silver	.10	.20	2.00
Spruce, Norway	.10	.20	1.50
Larch, European	.10	.20	$2.00
Locust, Honey	.10	.15	1.00
Locust Yellow	.10	.15	1.00
Maple, Sugar	.10	.20	2.00
Pine, White or Weymouth,	.15	.30	3.00
Pine, Black Austrian	.15	.30	3.00
Pine, Stone (Pinea)	.10	.20	2.00
Pine, Seaside	.10	.15	1.25
Spruce, Hemlock	.15	.40	4.00

Grains.

(Prices subject to market changes.)

All our Grains are selected expressly for Seed, and are strictly pure and true to name.

SPRING WHEAT.

Per Bush.

White Russian, a beardless white chaff wheat, with amber-colored grain. Has long, strong, healthy, yellow straw, standing several days after ripening. Heads large, long, well filled with plump grains of 60 to 62 pounds weight per bushel. Numerous yields of 40 to 50 bushels per acre are reported. Extremely hardy, enduring freezing and thawing unusually well $2.50

Saskatchewan. (See Novelties) 2.75

WINTER WHEAT.

Per Bush

Mediterranean Hybrid, a hybrid of the Diehl and Red Mediterranean; originated in Western New York; is five years from the crossing and with its characteristics quite well fixed. Heads broad, medium length, and full of large, plump, heavy, red grains; blue straw, stiff, and of medium height. We consider it the most important addition to Winter wheats in many years $2.50

Martin Amber, originated in Pennsylvania in 1878. Heads beardless, four to seven inches long, good sized, full of plump grains of clear amber color, and with a very thin hull. Pronounced by millers an A 1 wheat for flour. Yields 30 to 40 bushels per acre. Usual weight 63 pounds per bushel. Requires only three pecks of seed per acre owing to its remarkable stooling properties 2.50

BUCKWHEAT.

Per Bush.

Silver Hull, an improved variety; continues in bloom longer than the common sort; matures earlier, and produces much larger crops. The kernel is of a light gray color; the grain is rounder than the common variety, and has a much thinner husk, which makes a considerable saving in the flouring $1.75

Common Buckwheat 1.25

SPRING BARLEY.

Per Bush.

Two-Rowed $1.25

Four-Rowed 1.25

OATS.

Per Bush.

White Bedford, the standard market variety $1.00

Welcome, a very heavy oat 1.25

White Russian, rust-proof; do not lodge 1.00

RYE.

Per Bush.

Spring, this variety has been developed simply by planting Winter rye in the Spring, and selecting the seed so produced for several years. It is an excellent catch crop where Winter grain has been killed out, or for sowing where a Fall crop has not been planted $1.75

White Winter, this is the ordinary variety sown in the Fall 1.25

Poultry Supplies.

PRICES SUBJECT TO MARKET CHANGES.



Owing to a large and increasing demand for Poultry Supplies, we have made special arrangements for the accommodation of this branch of our trade, which will enable us to fill orders with promptness and at as low prices as the best quality will admit.

	Per 100.
Ground Oyster Shells	$1.00
Ground Beef Scraps (extra)	2.50
Ground Chicken Bone (pure)	3.00
Damaged Wheat	1.75
Rejected Wheat (best)	$2.00
Screenings	1.50
	Per Bush.
Barley for Hens	$1.25
Buckwheat for Hens	1.25

MEDICATED NEST-EGGS.

These Eggs will be found a simple and effective remedy for all insect-vermin on setting hens, and are indispensable to poultrymen and farmers, serving the double purpose of keeping the setting and laying hen in a healthy condition during the breeding season and hot days of Summer and for all the ordinary purposes of the common China Nest-Egg. Price, each, 6 cents; per dozen, 60 cents; per 100, $4.00. By mail, each, 10 cents; per dozen, $1.00.

CHINA NEST-EGGS.

	Per Doz.	Per 100.
The common Porcelain sort	$0.40	$3.00

EGG FOOD.

For all kinds of *laying fowls* and young *poultry*. Will make your *hens lay* Winter and Summer; supports them during molting, and keeps the fowls in the best condition; prevents and cures the common ailments, such as cholera, gapes, and roup.

	1-lb. Pkg.	2½-lb. Pkg.	6-lb. Box.	10-lb. Box.	25-lb. Keg.
Imperial	$0.50	$1.00	$2.00	$3.00	$6.25
Eggine	.40	.90	1.80	2.75	5.75

BIRD SEEDS, ETC.

Canary, Sicily,	Per quart,	$0.20	
" Smyrna,	"	.15	
Hemp, Russian,	"	.15	
" American,	"	.15	
Rape, English,	"	.15	
" German,	"	.15	
Unhulled Rice or Paddy,	"	.15	
Millet, German for Birds,	Per quart,	$0.10	
Maw, or Poppy Seed,	Per pound,	.25	
Cuttle-fish Bone,	"	.40	
Mocking-Bird Food, 1-lb. bottles,	Each,	.35	
Mocking-Bird Food, in bulk,	Per pound,	.25	
Song Restorer,	Per bottle,	.25	

Vegetable Plants and Roots.

ASPARAGUS ROOTS.

Plant in the Spring as early as the ground is dry enough to work. For an ordinary family, a bed of six rows, fifty or sixty feet in length, and three feet apart, will be sufficient; the plants in the rows being nine inches apart.

	100.	1000.		100.	1000.
Colossal, two year old roots...	$1.00	$7.00	The Hub, two year old roots.. .	$1.50	$12.00

CABBAGE PLANTS.

	100.	1000.		100.	1000.
Early Jersey Wakefield.....	$1.00	$8.00	Stone Mason Drumhead....	$1.00	$8.00
Henderson Summer.....	1.00	8.00	Fottler's Brunswick.....	1.00	8.00
Premium Flat Dutch.....	1.00	8.00	Marblehead Mammoth.....	1.00	8.00

CAULIFLOWER PLANTS.

	100.	1000.		100.	1000.
Boston Market.....	$1.00	$8.00	Extra Early Dwarf Erfurt...	$2.00	$15.00
Henderson Snowball.....	2.00	15.00	Early Paris.....	1.00	8.00

CELERY PLANTS.

	100.	1000.		100.	1000.
Boston Market.....	$1.00	$8.00	Early Arlington.....	$1.50	$12.00

CRANBERRY PLANTS.

	100.	1000.
Eaton's Early Black Bell, ripens very early; color very dark red, medium size, and very uniform, great bearer, good keeper, and vines perfectly hardy	.75	$5.00
Mansfield Creeper, entirely different in its growth and habit from all varieties. It is of large size and a great bearer; the flesh is tender, fine keeper, color dark scarlet on one side, the other side nearly white with a slight mottle, shape roundish oval.....	.75	5.00

EGG PLANTS.

	Doz.	100.		Doz.	100.
New York Improved.....	$1.00	$6.00	Black Pekin.....	$1.00	$6.00

HORSE RADISH SETS.

By mail, per dozen, 25 cents. By express, per 100, 60 cents; per 1000, $5.00.

KALE, or BORECOLE PLANTS.

	100.		100.
Brown German Curled.....	$0.75	Green Curled Scotch.....	$0.75

KOHL RABI PLANTS.

White Vienna. By mail, per 100, $1.00. By express, per 100, 75 cents.

LETTUCE PLANTS.

	100.		100.
Boston Market Head (Perpetual)....	$0.75	Early Curled Simpson (Season).....	$0.75

PEPPER PLANTS.

Large Bell or Bull Nose..... Per dozen, $1.00; per 100, $6.00

RHUBARB ROOTS.

Rhubarb roots may be planted early in Spring or in Fall, setting the roots three feet apart each way; if planted in Spring on ground well prepared, a full crop may be gathered the succeeding season. They require but little labor, and once planted will remain in bearing condition for three or four years, only requiring a top dressing of manure. Each, 20 cents; per dozen, $2.00.

SWEET POTATO PLANTS.

Nansemond, the best sort for planting North.....Per 100, $7.00; per 1000, $10.00.

TARRAGON PLANTS.

Each..... 30 cents. | Per dozen..... $3.00

TOMATO PLANTS.

	Doz	100.		Doz.	100.		Doz.	190.
Perfection.....	.40	$2.25	Paragon.....	.40	$2.25	Gen. Grant.....	.40	$2.25
Acme.....	.40	2.25	Trophy.....	.40	2.25	Boston Market.	.40	2.25

Valuable Tables.

Seed requisite to produce a given number of plants and sow an acre.

	Quantity per acre.
Artichoke, 1 oz. to 500 plants,	½ lb.
Asparagus, 1 oz. to 200 plants,	5 lbs.
Barley,	2½ bu.
Beans, Dwarf, 1 qt. to 150 feet of drill,	1¼ "
Beans, Pole, 1 qt. to 200 hills,	½ "
Beet, Garden, 1 oz. to 100 feet of drill,	10 lbs.
Beet, Mangel, 1 oz. to 150 feet of drill,	6 "
Brocoli, 1 oz. to 3,000 plants,	5 oz.
Broom Corn,	10 lbs.
Brussels, Sprouts, 1 oz. to 3,000 plants,	5 oz.
Buckwheat,	½ bu.
Cabbage, 1 oz. to 3,000 plants,	5 oz.
Carrot, 1 oz to 150 feet of drill,	2½ lbs.
Cauliflower, 1 oz. to 3,000 plants,	5 oz.
Celery, 1 oz. to 10,000 plants,	4 oz.
Clover, Alsike and White Dutch,	6 lbs.
" Lucerne, Large Red and Crimson Trefoil,	8 "
" Medium,	10 "
Collards, 1 oz. to 2,500 plants,	6 oz.
Corn, Sweet, 1 qt. to 500 hills,	8 qts.
Cress, 1 oz. to 150 feet of drill,	8 lbs.
Cucumber, 1 oz. to 80 hills,	1¼ "
Egg Plant, 1 oz. to 2,000 plants,	8 oz.
Endive, 1 oz. to 300 feet of drill,	3 lbs.
Flax, broadcast,	½ bu.
Garlic, bulbs, 1 lb. to 10 feet of drill,	
Gourd, 1 oz. to 25 hills,	2½ lbs.
Grass, Blue, Kentucky,	2 bu.
" Blue, English,	1 "
" Hungarian and Millet,	½ "
" Mixed Lawn,	3 to 5 "
" Orchard, Perennial Rye, Red Top, Fowl Meadow, and Wood Meadow,	2 bu.
" Timothy,	½ "

	Quantity per acre.
Hemp,	¾ bu.
Kale, 1 oz. to 3,000 plants,	4 oz.
Kohl Rabi, 1 oz. to 200 feet of drill,	1½ lbs.
Leek, 1 oz. to 250 feet of drill,	4 "
Lettuce, 1 oz. to 250 feet of drill,	3 "
Martynia, 1 oz. to 50 feet of drill,	10 "
Melon, Musk, 1 oz. to 100 hills,	1¾ "
" Water, 1 oz. to 25 hills,	1½ "
Nasturtium, 1 oz. to 50 feet of drill,	10 bu.
Oats,	2½ bu.
Okra, 1 oz. to 50 feet of drill,	10 lbs.
Onion Seed, 1 oz. to 200 feet of drill,	4 to 5 "
" " for Sets,	30 to 50 "
Onion Sets, 1 qt. to 20 feet of drill,	8 bu.
Parsnip, 1 oz. to 250 feet of drill,	5 lbs.
Parsley, 1 oz. to 250 feet of drill,	8 "
Peas, Garden, 1 qt. to 150 feet of drill,	1½ bu.
" Field,	2½ "
Pepper, 1 oz. to 1,500 plants,	4 oz.
Potatoes,	8 bu.
Pumpkin, 1 qt. to 300 hills,	4 qts.
Radish, 1 oz. to 150 feet of drill,	8 lbs.
Rye,	1½ bu.
Salsify, 1 oz. to 60 feet of drill,	8 lbs.
Spinach, 1 oz. to 150 feet of drill,	10 "
Summer Savory, 1 oz. to 500 feet of drill,	2 "
Squash, Summer, 1 oz. to 40 hills,	2 "
" Winter, 1 oz. to 10 hills,	3 "
Tomato, 1 oz. to 3,000 plants,	3 oz.
Tobacco, 1 oz. to 5,000 plants,	2 "
Turnip, 1 oz. to 250 feet of drill,	1½ lbs.
Vetches,	2 bu.
Wheat,	1 to 2 "

Number of Plants or Trees to the acre at given distances.

Dis. apart.	No. plants.
½ foot,	174,240
1 "	43,560
1½ feet,	19,360
2 "	10,890
2½ "	6,969
3 feet by 1 foot,	14,520
3 " 2 feet,	7,260
3 " 3 "	4,840
4 " 1 foot,	10,888

Dis. apart.	No. plants.
4 feet by 2 feet,	5,444
4 " 3 "	3,629
4 " 4 "	2,722
5 " 5 "	1,742
6 feet,	1,210
7 "	889
8 "	680
9 "	573

Dis. apart.	No. plants.
10 feet,	435
11 "	360
12 "	302
15 "	193
18 "	134
20 "	108
25 "	69
30 "	49

Weight of Various Articles.

Apples,	Per bush., 48 lbs.
" Dried,	" 22 "
Barley,	" 48 "
Beans,	" 60 "
Buckwheat,	" 48 "
Broom Corn,	" 46 "
Blue Grass, Kentucky,	" 14 "
" " English,	" 24 "
Bran,	" 20 "
Canary Seed,	" 60 "
Castor Beans,	" 46 "
Clover Seed,	" 60 "
Corn, Shelled,	" 56 "
" on Ear,	" 70 "
Corn Meal,	" 50 "
Charcoal,	" 22 "
Coal, Mineral,	" 80 "
Cranberries,	" 40 "
Dried Peaches,	" 28 "
Flax Seed,	" 56 "
Hemp Seed,	" 40 "
Hungarian Grass Seed,	" 48 "
Irish Potatoes, heaping measure,	" 60 "
Millet,	" 50 "
Malt,	" 38 "
Oats,	" 32 "
Osage Orange,	" 33 "
Orchard Grass,	" 14 "

Onions,	Per bush., 54 lbs.
Peas,	" 60 "
Plastering Hair,	" 8 "
Rape,	" 50 "
Rye,	" 56 "
*Red Top Seed,	" 14 "
Salt, Coarse,	" 50 "
" Michigan,	" 56 "
Sweet Potatoes,	" 56 "
Timothy Seed,	" 45 "
Turnips,	" 58 "
Wheat,	" 60 "
Beef and Pork, per bbl., net,	200 "
Flour, per bbl., net,	196 "
White Fish and Trout, per bbl., net,	200 "
Salt, per bbl.,	280 "
Lime, "	220 "
Hay, well settled, per cubic foot,	4¾ "
Corn, on Cob, in bin, "	22 "
" Shelled, " "	45 "
Wheat, " "	48 "
Oats, " "	25½ "
Potatoes, " "	38½ "
Sand, Dry, "	95 "
Clay, Compact, "	135 "
Marble, "	169 "
Seasoned Beech Wood, per cord,	5,616 "
" Hickory, "	6,960 "

*In New England, Red Top is sold at 10 lbs. per bushel, so we are obliged to conform and buy and sell at 10 lbs.

GRASSES.

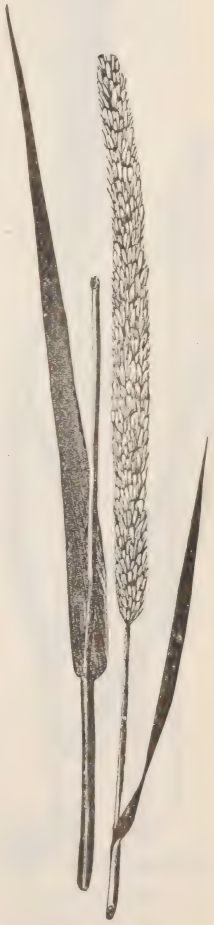
"And he gave it for his opinion that whoever would make two ears of corn or two blades of grass to grow upon a spot of ground where only one grew before, would deserve better of mankind, and do more essential service to his country, than the whole race of politicians put together." — SWIFT.

WE desire to call special attention to the following list of AGRICULTURAL GRASSES, which will, we think, be found very comprehensive, both as to varieties and descriptions. We are devoting a great deal of time to this most important subject, and the department has already become an extensive one with us.

Having learned by experience that the so-called imported grasses which are offered by those making a specialty of them in this country are very far from reliable, both as regards purity and quality, we have found it necessary to import all our seeds of this character direct. We have accordingly made arrangements for our stocks with one of the most prominent growers of Agricultural Grasses on the continent, who, by virtue of many years experience in growing seeds of this peculiar character, has become the recognized headquarters for same. This will enable us to furnish our customers with the *very best*, and that which we know to be *free* from all *adulteration*.

It seems almost unaccountable that at this day, when the different branches of practical agriculture are seemingly so thoroughly understood, that our American farmers should apparently ignore the importance of sowing upon their fields only those kinds of grasses which are *adapted* to the *soil* and *climate*, and which will produce in the shortest length of time a luxuriant crop of the desired character. The list of grasses now in use by most of our farmers can be counted on the fingers of one hand, which showing is indeed a small one, when we take into consideration the many species, valuable because of their respective merits, which should be in constant demand for the various soils and climates of America.

We invite special attention to our "Mixtures" for Permanent Pastures and Mowing Lands, which follow our descriptions. We have endeavored to bring into prominence a few important facts under the head of *Mixtures*, which, we think, cannot fail to be of interest to any one who is concerned in the laying down of profitable pastures, or who desires to obtain large crops of hay of choice quality from their fields.



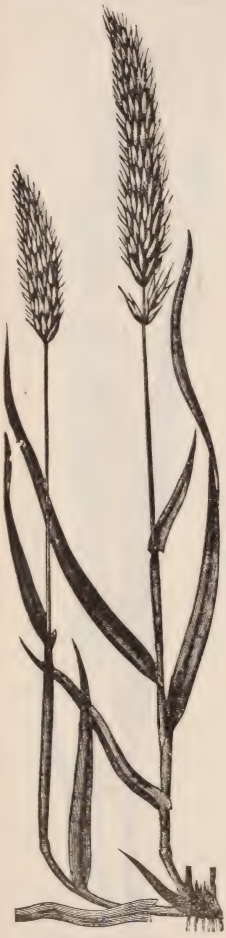
TIMOTHY.
(Phleum pratense.)

TIMOTHY (Herds Grass or Catstail), (*Phleum pratense*). Root fibrous on moist soils; on dry soils often bulbous; perennial; flowers in June and July. While this grass is commonly known as Timothy it is frequently called Herds Grass, as this is the name under which it was originally cultivated. It is, without doubt, the most valuable of grasses for hay, especially in the North. It thrives best on moist, loamy soils of medium tenacity. Grows very readily and yields large crops on favorable soils. Should be cut just when the blossom falls. The hay is of best quality, yielding, under favorable circumstances, three or four tons per acre.

ORCHARD GRASS (*Dactylis glomerata*). Root fibrous; perennial; flowers in June and July. This is one of the most valuable and widely known of all the pasture grasses. Its rapidity of growth, the luxuriance of its aftermath, and its power of enduring the cropping of cattle, all commend it highly to farmers. Thrives well on light soils, and as its roots penetrate to a considerable depth, where the subsoil is favorable, it withstands droughts better than most species on dry sandy soils. It is very valuable to be used in a mixture with Timothy and Clover, and

produces splendid crops of hay. This grass is sometimes condemned because of its coarse growth, which is only apparent when in a neglected condition, but with proper management no grass is more valuable. When pastured Orchard Grass should never be allowed to become coarse, but should be kept closely cropped. In this condition it is highly nutritive, and relished very much by all kinds of stock.

KENTUCKY BLUE GRASS (Meadow Grass, June Grass, Spear Grass), (*Poa pratensis*). Root creeping; perennial; flowers in June. This valuable grass is very common in the soils of America, and is claimed by some to be the most valuable of all the grasses in our pastures. On the other hand, some claim that its creeping root impoverishes the soil. It is a fact, however, that it grows very luxuriantly, producing the most nourishing food for cattle until late in the season in the North, while in the South abundant herbage is furnished throughout the entire Winter. It is a very valuable species in lawn mixtures. Kentucky Blue Grass requires about two or three years to become well set, and does not arrive at perfection as a pasture grass until the sward is at least four years old, hence it is not suited for alternate husbandry, or where the land is to remain in grass two or three years, and be then plowed up.



SWEET VERNAL.
(Anthoxanthum odoratum.)

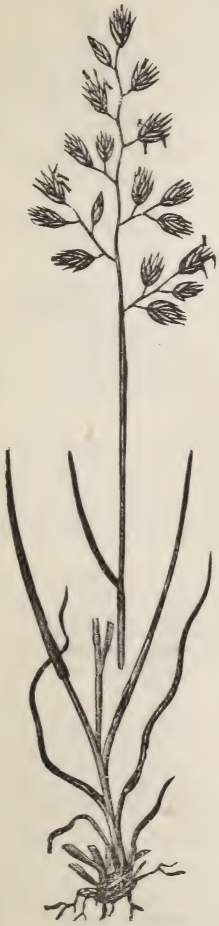
RED TOP (Herds Grass), (*Agrostes vulgaris*). Root creeping; perennial; flowers in July. This valuable grass has been commonly cultivated in our fields for over a century. It is a fine permanent grass, and forms a nutritious pasturage when fed close. It is valuable for all wet soils, producing a large return in good hay. Red Top is often sown with Timothy and common Red Clover, in which case the Clover soon disappears followed by Timothy, after which the Red Top usually takes its place, and with some wild indigenous grass forms a close sward. When sown alone two to three bushels per acre are required.

RHODE ISLAND BENT (*Agrostes canina*). Root creeping; perennial; flowers in July. A most valuable permanent grass, largely used in New England for pastures and for lawns. For the latter purpose it is often sown by itself; and if cheapness is an object perhaps it is as good as could be sown, but we recommend the lawn mixture wherever practicable. Soil and treatment same as for Red Top (*A. vulgaris*).

ROUGH STALKED MEADOW GRASS (*Poa trivialis*). Root fibrous; perennial. This grass is valuable on account of its quick growth, productiveness and nutritive qualities. Grows in perfection on moist, rich soils, and is also well adapted to ground shaded by trees. Grows early in the Spring, and continues green until late in the Fall. As it delights in shelter, its produce is always much greater when sown with other grasses. Cattle, sheep and horses show a great partiality for it, and the pasture is generally eaten barest where this grass predominates. Does not thrive well on dry soils.

PERENNIAL RYE (*Lolium perenne*). A very valuable grass; arrives early at maturity, and produces a good supply of herbage, of which cattle are very fond. It grows freely on almost any soil, and shows a very early Spring growth. Although a perennial grass, the root will not live over three or four years, and unless the plant is allowed to reproduce from self-sown seed it will die out in about that time. This is an objection to its extensive use for permanent pastures, but for hay crops it may be introduced to good advantage along with other grasses and clovers.

ITALIAN RYE (*Lolium Italicum*). This is one of the most valuable grasses brought into notice during the present century. In nutritive value, earliness, and quickness of growth after it has been mown, it far surpasses the Perennial Rye Grass. It is, therefore, indispensable for alternate husbandry; but as it does not last over two years it is of no use in permanent pastures. The soils best adapted to Italian Rye seem to be those that are moist, fertile, and tenacious, or of a medium consistency, and on such soils it is said to be one of the best grasses known to cut green, affording repeated luxuriant and nutritive crops.



ROUGH-STALKED MEADOW.
(Poa trivialis.)



PERENNIAL RYE GRASS.
(Lolium perenne.)



ITALIAN RYE GRASS.
(Lolium Italicum.)

FOWL MEADOW (False Red Top, Duck Grass, Swamp Wire Grass), (*Poa serotina*). Root slightly creeping; flowers in July and August. This perennial native grass is found on lowlands in many places, though it seldom takes full possession of the soil unless seed is sown. It has been largely introduced into New England, and is particularly adapted to moist, rich soils, such as the borders of rivers, ponds, etc., owing to the fact that an occasional overflow will not injure its growth. It may be mown at any time from June to October, as it never becomes so coarse and hard but the stalk is sweet and tender and eaten without waste. It makes an excellent grass for oxen, cows, and sheep, but is thought too fine for horses. It is easily made into hay, which is of a nutritive character.



ORCHARD GRASS.
(Dactylis glomerata.)

MEADOW FOXTAIL (*Alopecurus pratensis*). Root fibrous; perennial; flowers in May. This is one of the best grasses for permanent pastures, and should always form a fair proportion of the mixtures for that purpose, because of its extremely rapid growth and great nutritive qualities. Thrives best on a rich, strong soil. As the Meadow Foxtail shoots up its flowering stalk much earlier than Timothy, it can be easiiy distinguished from the latter, which, at first sight, it greatly resembles. It endures the cropping of cattle and sheep probably better than any other variety of grass, making it, as stated above, well nigh indispensable in all first-class permanent pastures. The nutritive qualities of Meadow Foxtail are most abundant at time of flowering.

CRESTED DOG'S-TAIL (*Cynosurus cristatus*). Root fibrous and tufted; perennial. This is a most valuable permanent pasture grass. It is very tender and nutritious at time of flowering. If, however, it is left until the seed ripens cattle will not eat it on account of its wiry stems. For parks this grass is well suited, because of its fine close growth and pleasant green color. It should form a portion of all mixtures for lawns.

MEADOW FESCUE (*Festuca pratensis*). Root creeping; perennial; flowers in July; one of the most valuable of the Fescue grasses. This grass is well adapted for permanent pastures, and is also sometimes used for alternate husbandry. It grows rapidly in rich and rather moist soils, and makes an excellent pasture grass, its long tender leaves being much relished by cattle. It should be always sown mixed with other grasses.

TALL FESCUE (*Festuca elatior*). Root fibrous, somewhat creeping; perennial; flowers in June and July. In appearance this species resembles the *Festuca pratensis*, but is larger, and of stronger growth. It thrives well on moist soils, and yields abundant crops. Cattle and stock eat it greedily. It should form a portion of every mixture for permanent purposes on moist soils.

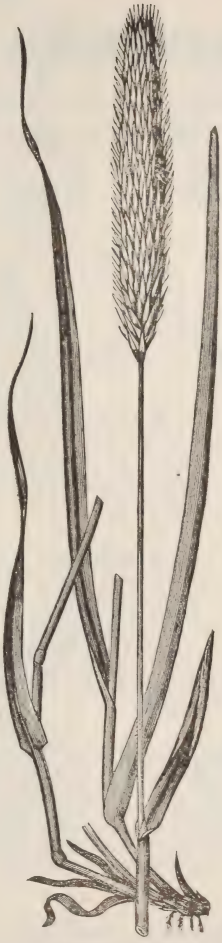
HARD FESCUE (*Festuca duriuscula*). This is one of the best grasses of the Fescue family. It is regarded by some as a variety of the Red Fescue, though taller, and the panicle more open. It is found in all the finest permanent pastures of the country, and is much valued for its dwarf habit. It resists the Summer drought, and develops remarkable verdure during Winter. It should form a part of every mixture for lawn or pleasure grounds, and for permanent pasture and alternate husbandry.

RED OR CREEPING FESCUE (*Festuca rubra*). This grass is found growing on light, dry, sandy soils, and from its creeping habit will be found of great value on sandy sea-coast lands. It is a grass of better quality than some of the uncultivated species, but is not usually cultivated in this country as an agricultural product, except on elevated sheep pastures.

SWEET VERNAL (*Anthoxanthum odoratum*). Root fibrous; perennial; flowers in May. This grass is valuable on account of its early growth and its hardy and permanent nature; which, added to the fact that it throws up its flower-stalks till the end of Autumn, upholds its claim to a place in all compositions where permanency is an object. It is very fragrant, and imparts a pleasant odor to the hay. Will grow in almost any kind of soil, but prefers those which



YELLOW OAT.
(Avena flavescens.)



MEADOW FOXTAIL.
(Alopecuris pratensis.)



CRESTED DOGSTAIL.
(Cynosurus cristatus.)

are rich and moist. It is greatly relished by sheep, and is found growing naturally on upland pastures. As a component of "lawn mixtures" it is most valuable, and is largely used for this purpose. The seeds of this grass are scarce and most difficult to be had TRUE. An inferior variety of *Anthoxanthum* being sometimes offered at a low price by unscrupulous dealers, care ought to be exercised in buying. *Our seed is guaranteed to be the true Perennial Sweet Vernal.*

CLOVERS.

There are no plants so valuable for fertilizers as the Clovers. They have the faculty of absorbing nitrogen from the air, and also of rendering available much of the inert plant food of the soil. Their long, powerful tap roots penetrate to a great depth, loosen the soil, admit air, and by their decay add immensely to the fertility of the soil.



MEDIUM RED CLOVER.
(Trifolium pratense.)

MEDIUM RED (*Trifolium pratense.*) This is the common Red Clover in general cultivation, and too well known to need a general description. It is by far the most important of all the varieties for the practical purposes of agriculture. When sown alone produces hay of splendid quality, and when sown with Timothy or other grasses forms a desirable pasture.

MAMMOTH, or PEA-VINE (*Trifolium pratense*). Grows five or six feet high; its stalks are so coarse and large that stock will eat only the leaves, but by its judicious use, lands which have been exhausted can be reclaimed, as it will grow where the common Clover will fail.

ALSIKE OR SWEDISH (*Trifolium hybridum*). This is the most hardy of Clovers, and is fast gaining popularity. It resists cold, and extreme drought and wet, and on rich moist soils yields an enormous amount of hay or pasture of a nutritive quality. Can be cut several times in a season. It is well suited to low lands liable to wash, as its long fibrous roots spread over a large area, and hold the soil so as to resist the heaviest rains. The heads are globular, very sweet and fragrant, and much liked by bees, who obtain a large amount of honey from them.

LUCERNE OR ALFALFA (*Medicago sativa*). Where this variety succeeds well it is probably one of the most valuable of all Clovers. It is not, however, particularly adapted to the Eastern or Northern States, but flourishes in all Western and Southern. It requires a fine mellow soil to get it firmly established, but when once thoroughly fixed will produce a profitable crop for a number of years. It yields an enormous amount of green fodder, and should be cut when commencing to blossom. Although a prodigious yielder it does not exhaust the soil, but on the contrary rather improves it. In States to which it is adapted, four or five crops can be obtained in one season.

WHITE CLOVER (*Trifolium repens*). The value of this Clover to the farmer is well known, and it is to be found in nearly every natural pasture. It is adapted to all soils. Being a deep-rooted plant it withstands drought on dry sandy sections. It should form a part of all mixtures for permanent pastures, and is also valuable for alternate husbandry, when these crops are sown down for more than one year.

BOKHARA (Sweet Clover), (*Melilotus alba*). This is exceedingly valuable as pasturage for bees. It is occasionally found growing wild by the roadside, in company with the more common Sweet Clover (*Melilotus officinalis*), and may be distinguished from it by its white flowers and less coarse and more leafy stems.



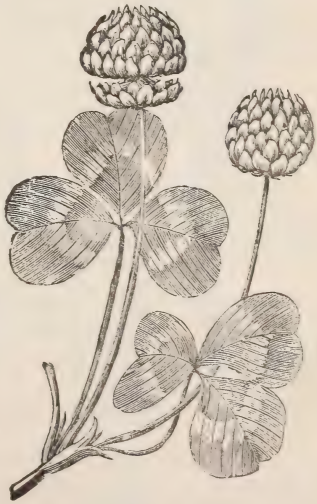
ALSIKE CLOVER.
(Trifolium hybrida.)



LUCERNE OR ALFALFA.
(Medicago sativa.)



MAMMOTH RED CLOVER.
(Trifolium pratense var.)



WHITE CLOVER.
(Trifolium repens.)

Mixtures for Permanent Pastures.

"One thing is certain: that good pasture land is the foundation of the riches of a farm."— SINCLAIR.

The oft-repeated complaints of worn-out and exhausted pastures, made to us by some of our best New England farmers, have long impressed us with the fact that there must be something radically wrong with the manner in which our pastures are formed and cared for. Some remedy for this state of matters is imperatively necessary, and it seems to us that one most important line of improvement would be the sowing of a larger number of species of grasses in the laying out of these pastures.

As we have already expressed as our opinion, farmers, as a rule, in preparing their mixtures of grasses to be used in the laying down of permanent pastures, confine themselves to too few varieties, thus failing to arrive at the most profitable results. The chief properties which give value to a grass are nutritive powers, produce, early growth, and reproductiveness (*i. e.*, the property of growing rapidly after being cropped). If one species of grass could be discovered that possessed all these qualities in a superior degree to every other, there would be no necessity beyond that of botanical science for us to acquire the knowledge which enables us to distinguish the different species of grasses, the soils and subsoils best adapted to their growth, natural habits, and comparative value; but the results of all experiments have proven that a combination of all the merits and properties which give value to a grass is not to be found in any single species, or in fact in any two or three. In sowing a mixture of a number of different varieties we are but following nature, who can be always depended upon as the best teacher. This can easily be demonstrated by the careful examination of any old, rich, permanent pasture, on which will invariably be found fifteen to twenty species of grass or forage plants growing in great profusion. Where, however, it is left to nature to supply the necessary plants to make a rich and succulent pasturage, a great deal of valuable time is of necessity lost, as *seven or eight years* will elapse before the field will *naturally* assume the character of a rich and profitable pasture, while by *artificial* means the same result can be brought about in *one-fourth the time.*

In compiling any table of grasses and clovers to be used for permanent pasture purposes there are several important features to be taken into consideration. First, the proportion of plants which would be produced from the amount of each kind of seed sown should be determined, so that the undue predominance of any particular variety may be avoided. We have given this point special consideration in preparing our mixtures. A selection of grasses should be made that blossom at alternate months of the year, as it is a well-known fact that there is no month from April to September, inclusive, in which some of the valuable grasses do not attain their full perfection.

The species which afford the principal grasses in Spring are:

Poa nemoralis,	(*Wood Meadow*).	Phleum pratense,	(*Timothy*).
Alopecuris pratensis,	(*Meadow Foxtail*).	Anthoxanthum odoratum,	(*Sweet Vernal*).
Dactylis glomerata,	(*Cocksfoot*).	Lolium perenne,	(*Perennial Rye Grass*).
Festuca pratensis,	(*Meadow Fescue*).		

The species which afford the principal grasses in Summer are:

Festuca pratensis,	(*Meadow Fescue*).	Trifolium pratense,	(*Red Clover*).
Phleum pratense,	(*Timothy*).	Trifolium hybridum,	(*Alsike Clover*).
Lolium perenne,	(*Rye Grass*).	Trifolium repens,	(*White Clover*).
Agrostis vulgaris,	(*Red Top*).	Cynosurus cristatus,	(*Crested Dogstail*).
Poa pratensis,	(*Blue Grass*).	Dactylis gomerata,	(*Cocksfoot*).
Festuca elatior,	(*Tall Fescue*).		

The species which afford the principal grasses in Autumn are:

Festuca elatior,	(*Tall Fescue*).	Poa pratensis,	(*Blue Grass*).
Avena flavescens,	(*Yellow Oat Grass*).	Trifolium pratense,	(*Red Clover*).
Cynosurus cristatus,	(*Crested Dogstail*).	Trifolium hybridum,	(*Alsike Clover*).
Festuca duriuscula,	(*Hard Fescue*).	Trifolium repens,	(*White Clover*).
Poa trivialis,	(*Rough Stalked Meadow*).		



MEADOW FESCUE.
(Festuca pratensis.)



HARD FESCUE.
(Festuca duriuscula.)



TALL FESCUE.
(Festuca elatior.)

By using a mixture comprising these species, it will be at once apparent that a rich and luxuriant growth will be secured throughout the entire season, which result cannot possibly be obtained if the stereotyped mixture usually recommended composes the sward. It would be almost impossible for us to give a series of tables which would comprehen l all the variations of soils, altitudes and climates. We think, however, that those which we have compiled will be found sufficiently comprehensive to meet nearly all the contingencies that arise in ordinary farming.

These mixtures, which we recommend only after careful study and consultation with the best authorities, are of little or no value unless the seeds composing them are absolutely pure and true to name. We, therefore, especially request those who desire to obtain the best results from their mixtures for alternate husbandry, mowing lands, and permanent pastures, to *avoid* the probability of *disappointment which* would naturally *attend the placing of orders with parties who have never given any degree of attention to this most important subject*, and buy from us direct (or authorized agents) *who are the first in this country to make a specialty of this branch of the seed business.* We doubt if a full stock of all the grasses which form the components of our mixture could be found anywhere in the United States outside of our own establishment, and *know* they cannot be obtained in the same quantities and of equal quality.

In conclusion, we would say, that although pastures be formed in the best manner as recommended by us, with a combination of MANY different species of grasses, yet a judicious mode of treatment afterwards is as necessary to continue their value. By proper stocking and top-dressing, very indifferent pastures may be brought to a state of great fertility; but, on the contrary, the richest pastures by neglect of proper stocking, top-dressing, or by the too frequent repetition of hay crops, will become so unprofitable as to require many years to bring them again to their original value. This fact every practical farmer is well aware of, and after the proper mode of sowing and stocking has been determined on, a suitable top-dressing should be found. Under the head of Fertilizers, in another part of this Catalogue, will be found a reliable top-dressing, which we can strongly recommend as being specially adapted for pastures of this character.

BRECK'S SPECIAL MIXTURES FOR PERMANENT PASTURES.

Table showing the proper quantities to Sow on an Acre of Light, Medium, or Heavy Soils, for Permanent Pasture.

KIND.	No. 1. Light Soils.	No. 2. Medium Soils.	No. 3. Heavy Soils.	No. 4. For Orchards and shady places.
Timothy, . . . *Phleum pratense*, . .	2 lbs.	3 lbs.	4 lbs.	3 lbs.
Red Top, . . . *Agrostis vulgaris*, . .	4 "	4 "	6 "	3 "
Cocksfoot, . . . *Dactylis glomerata*, .	8 "	6 "	4 "	6 "
Meadow Fescue, . . *Festuca pratensis*, .	2 "	2 "	1½ "	–
Hard Fescue, . . *Festuca duriuscula*, .	–	1 "	2 "	2 "
Tall Fescue, . . . *Festuca elatior*, . .	2 "	2 "	4 "	1 "
Blue Grass, . . . *Poa pratensis*, . .	4 "	4 "	2 "	5 "
Rough Stalked Meadow, *Poa trivialis*, . .	–	2 "	4 "	6 "
Perennial Rye Grass, . *Lolium perenne*, .	2 "	3 "	3 "	–
Meadow Foxtail, . . *Alopecuris pratensis*, .	1 "	2 "	2 "	2 "
Crested Dogstail, . . *Cynosurus cristatus*, .	2 "	1 "	1 "	4 "
Wood Meadow, . . *Poa nemoralis*, . .	1 "	1 "	–	–
Yellow Oat Grass, . *Avena flavescens*, . .	2 "	1 "	–	–
Sweet Vernal, . . *Anthoxanthum odoratum*,	2 "	1 "	–	–
White Clover, . . *Trifolium repens*, . .	4 "	4 "	4 "	5 "
Alsike Clover, . . " *hybridum*, . .	1 "	1 "	½ "	–
Perennial Red Clover, . " *pratense perenne*,	2 "	3 "	3 "	3 "
	39 lbs.	41 lbs.	43 lbs.	40 lbs.

FOR PRICES ON THESE MIXTURES, SEE PAGE 53.

It will be noticed that the different tables are all based on the quantity required to sow one acre, so in ordering, our patrons will please state the number of acres for which the seed is desired. *We shall, unless we are especially instructed to the contrary, put up each variety of seed in separate packages, packing the entire quantity necessary for one acre in a case. We recommend our friends to always buy their mixtures put up as above, and to refuse to receive them in any other shape. The advantage of buying the seed before it is mixed is very apparent, as it insures the purchaser obtaining the exact varieties and quantities which should compose the mixture he has ordered. This protection cannot be enjoyed where the seed is mixed before it is sent out.*

Alternate Husbandry.

MIXTURES FOR MOWING AND GRAZING LANDS.

The remarks made under the head of "Mixtures for Permanent Pastures" relative to the lack of judgment usually exercised in the selection of grasses to be used for such mixtures, are equally applicable to those commonly prepared for Mowing and Grazing Lands.

In making up the following tables, the utmost care has been exercised, and we have no hesitation in highly recommending them to our patrons.

The mixtures intended for one or two years, consist of those grasses of Annual or Biennial duration which will yield the largest crop for that period; and those made up for three or more years have *these* Annual or Biennial species either very much reduced or excluded altogether, and their places taken by the more permanent species that can be depended on to keep the land up to the standard value for the term of years desired.

Where a crop is sown for over three years lay, with a large proportion of seeds of grasses and clovers that are only of Annual or Biennial duration, the field will surely become very thin before the end of the period for which the land was laid down, while the spaces vacated will, in all likelihood, be occupied by the most objectionable kinds of weeds; when, if a proper selection of those species capable of lasting the whole of the desired period were sown, the lay would remain full of plant, free from weeds or objectionable grasses; and, consequently, much more profitable during the whole time the land is in grass.

BRECK'S SPECIAL MIXTURES FOR MOWING AND GRAZING LANDS.

	1 TO 2 YEARS MOWING.			2 TO 3 YEARS MOWING OR GRAZING.			4 YEARS MOWING OR GRAZING.		
	No. 5. Light Soils.	No. 6. Medium Soils.	No. 7. Heavy Soils.	No. 8. Light Soils.	No. 9. Medium Soils.	No. 10. Heavy Soils.	No. 11. Light Soils.	No. 12. Medium Soils.	No. 13. Heavy Soils.
	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.
Italian Rye Grass,	3	3	3	4	4	4	6	6	6
Perennial Rye Grass,	3	3	4	3	3	3	3	3	3
Cocksfoot,	7	6	6	9	8	8	9	8	8
Timothy,	9	11	11	7	9	9	3	4	4
Red Clover,	7	8	8	3	4	4	1	2	2
White Clover,	2½	2	2	5	4	4	5	4	4
Meadow Fescue,	1½	2	2	2	3	3	3	4	4
Meadow Foxtail,	–	–	–	1	2	2	2	3	3
Red Top,	2	2	3	2	2	3	3	3	4
Rough Stalked Meadow,	–	–	–	–	2	3	–	3	4
Perennial Red Clover,	–	–	–	1	2	2	3	4	4
	35	37	39	37	43	45	38	44	46

FOR PRICES OF THESE MIXTURES, SEE PAGE 52.

PRICES FOR JOSEPH BRECK & SON'S SPECIAL MIXTURES FOR PERMANENT PASTURES AND MOWING AND GRAZING LANDS.

When ordering, simply give number and kind of mixture selected and the number of acres for which seed is desired; for example, "Send me No. 2 Mixture for Permanent Pastures for three acres."

PERMANENT PASTURES.

FOR LIGHT SOILS.	FOR MEDIUM SOILS.	FOR HEAVY SOILS.	FOR SHADY PLACES.
No. 1.	**No. 2.**	**No. 3.**	**No. 4.**
Price per Acre.	Price per Acre.	Price per Acre.	Price per Acre.
$10.00	$10.00	$9.50	$9.50

ALTERNATE HUSBANDRY.

FOR 1 OR 2 YEARS MOWING.			FOR 2 OR 3 YEARS MOWING OR GRAZING.			FOR 3 OR 4 YEARS MOWING OR GRAZING.		
No. 5.	**No. 6.**	**No. 7.**	**No. 8.**	**No. 9.**	**No. 10.**	**No. 11.**	**No. 12.**	**No. 13.**
Light Soils.	Medium Soils.	Heavy Soils.	Light Soils.	Medium Soils.	Heavy Soils.	Light Soils.	Medium Soils.	Heavy Soils.
Price per Acre.	Price per Acre.	Price per Acre.	Price per Acre.	Price per Acre.	Price per Acre.	Price per Acre.	Price per Acre.	Price per Acre.
$5.00	$5.00	$6.00	$6.00	$8.50	$8.50	$8.00	$9.50	$10.00

F. O. B. Boston. Special prices for quantities for ten acres and upwards.

While it is true that the mixtures which we have recommended are SEEMINGLY *much more expensive than what is commonly used, it should be borne in mind that a vastly increased value is given to the pasture, not only for one year, but if the land is properly cared for it will remain in good condition for fifteen or twenty years without further sowing, and produce double the amount of fodder, while the* ORDINARY *sowing has to be repeated every three or four years; thus, in the end, costing more than four times as much as what would be paid originally for the proper mixture.*

CAUTION.—*Appreciating the fact that some unscrupulous parties will probably offer mixtures for permanent pastures, mowing lands, and alternate husbandry, purporting to be the same as ours, we shall, as a matter of protection to both our patrons and ourselves, stencil or print on each case, and also on package containing each variety of seed, our name and address, and request our patrons before purchasing from any other source than ourselves direct, that they examine the case containing same, and if not stencilled as described they may know that* IT IS NOT *our mixture, and, therefore, not in any way entitled to our endorsement.*

PRICES OF AGRICULTURAL GRASSES AND CLOVERS

(as described from pages 41 to 50).

(SUBJECT TO MARKET CHANGES.)

		Weight per bushel.	Price per lb.	Price per bushel.
R. I. Bent	(*Agrostis canina*),	10 lbs.	–	$2.50
Red Top	(*Agrostis vulgaris*),	10 "	–	1.00
Meadow Foxtail	(*Alopecuris pratensis*),	5 "	$0.60	–
Sweet Vernal (true)	(*Anthoxanthum odoratum*),	6 "	.75	–
Golden Oat Grass	(*Avena flavescens*),	10 "	.60	–
Crested Dogstail	(*Cynosurus cristatus*),	30 "	.40	–
Cocksfoot	(*Dactylis glomerata*),	14 "	–	3.00
Hard Fescue	(*Festuca duriuscula*),	16 "	.35	–
Tall Fescue	(*Festuca elatior*),	16 "	.40	–
Fine-leaved Fescue	(*Festuca tenuifolia*),	20 "	.30	–
Red Fescue	(*Festuca rubra*),	16 "	.35	–
Meadow Fescue	(*Festuca pratensis*),	20 "	.40	–
Italian Rye Grass	(*Lolium Italicum*),	18 "	–	2.50
Perennial Rye Grass	(*Lolium perenne*),	24 "	–	2.50
Timothy	(*Phleum pratense*),	45 "	–	2.75
Wood Meadow	(*Poa nemoralis*),	18 "	.50	–
Blue Grass (fancy)	(*Poa pratensis*),	16 "	–	2.00
Fowl Meadow	(*Poa serotina*),	10 "	–	2.50
Rough Stalked Meadow	(*Poa trivialis*),	20 "	.50	–
Hungarian Millet Grass	(*Setaria germanica*),	48 "	–	2.00

CLOVERS.

	Price per lb.		Price per lb.
Red Clover (*Trifolium pratense*),	.13	Alsike Clover (*Trifolium hybridum*),	.30
Mammoth Red Clover (*Trifolium pratense var.*),	.15	Trefoil (*Medicago lupulina*),	.40
White Clover (*Trifolium repens*),	.35	Lucerne, or Alfalfa (*Medicago sativa*),	.35

Lawn Grass.

A BEAUTIFUL LAWN CAN BE OBTAINED BY SOWING

PRICE.		QUANTITY.
Per Quart	$0.25	1 Quart will sow 300 square feet.
For 4 Quarts	.75	1 Peck will sow 2,400 square feet.
For 8 Quarts	1.25	1 Bushel will sow 10,000 square feet.
Per Bushel	4.00	4 Bushels will sow 1 acre.





The Flower Garden.

THERE is nothing that gives us greater pleasure than the fact that there is a lively and growing interest being evinced everywhere in all matters pertaining to horticulture,— in both the useful and ornamental branches — but more especially in the latter. All about us we see springing up on plots of ground that have been redeemed from a rank growth of unsightly weeds, blooming beds of lovely flowers which give to the most humble home an air of refinement and culture which could not be imparted by the most lavish expenditure in other ways. In preparing our present issue, it has been our aim to aid our readers in beautifying their surroundings, and we trust a careful perusal of the following pages will prove that we have been successful in this undertaking. We have endeavored to give in the plainest language at our command the simplest methods of culture, and by the division under their respective heads of Annuals, Perennials, Greenhouse, etc., to simplify what is always to amateurs the perplexing operation of making a selection of the varieties best adapted to their individual wants. We have again thoroughly revised our collection, and the varieties offered will be found to comprise all the latest novelties, and while still retaining many of the old favorites which are yet very popular, we have eliminated all sorts of inferior merit. Especial attention is called to our Novelty list, which will be found more than usually interesting,— introducing many valuable novelties and specialties which cannot fail to be admired. The stocks we offer in both our novelty and general lists are unsurpassed in quality,— many of the choicer strains being saved exclusively for our trade, and therefore not to be obtained from any other source.

Those of our customers who may wish to use larger quantities of Flower Seeds for bedding and massing, than are usually sold in packets, will please refer to page 95, where we have priced by weight the most showy and useful varieties. On page 96 will be found convenient collections of Showy Flower Seeds — the kinds selected by us, — which will be found useful by those who have no experience in selecting seeds.

Novelty Supplement.

Novelties, Recent Introductions, and Specialties in Flower Seeds for 1886.

ABUTILON. George's Large Flowered Hybrids. New. Pkt.

Extra fine. Of dwarf, compact habit, valuable for Winter bloom, flowering profusely in very little heat $0.50

BALSAM. Covent Garden Strain, Extra Double.

One of the most magnificent strains of perfectly double flowers in cultivation. Colors mixed..... .25

BELLIS PERENNIS. "Longfellow," New Double Daisy.

Pkt.

This comes true from seed, and is of unusual size and doubleness; flowers, dark rose; quite valuable for bouquets. Daisies may be raised easily from early sown seed..... $0.25



LONGFELLOW DAISY.

BEGONIA.

Single Tuberous-rooted International Prize.

The seed here offered is of unsurpassed quality, being the result of cross-fertilization of only those hybrids of recent introduction, which for sturdiness, brilliancy of color, but more particularly for form and size, have proved far superior to those of older date. When in full flower, during the past Summer and Autumn, their magnificence excited the admiration of all.... .50



CYCLAMEN PERSICUM GIGANTEUM.

Begonia, Davisi Flore Pleno.

This valuable novelty comes perfectly true from seed; the flowers are very double, and produced in the same abundance and variety as those of the single flowering species 50

CYCLAMEN PERSICUM GIGANTEUM.

New, Large Flowering, Extra.

A very handsome, large-flowered, and greatly improved form of this useful and elegant class of plants, containing the finest and most beautiful new sorts. A splendid and unequalled strain..... .50

NEW SINGLE DAHLIAS.

BRECK'S PREMIER COLLECTION.

(*See Colored Plate.*)

Within the past few years this new section of the Dahlia family has become extremely fashionable, owing to the value attached to the cut blooms, their airy, butterfly-like forms giving the flower a grace never attained by the finest double sorts. In Great Britain especially they are all the rage, and have been the favorite flower used at all fêtes and fairs within the past few years. Their attractive beauty is altogether beyond description; this fact, added to the ease with which they can be cultivated, should ensure them a place in every garden of whatever size. They are, in fact, indispensable for the decoration of beds, for open and shrubbery borders, and for pots and cutting purposes.

They are of easy culture, thriving in the poorest soil, and are unique for the decoration of beds and borders, being most effective when planted in lines in the border, or in groups in beds, and nothing can exceed the display they produce when pegged down; treated in this fashion, the flowers rise boldly above the foliage, and thus a greater mass of bloom is displayed than when they are allowed to take their natural course. Sow in gentle heat about the beginning of March; when sufficiently advanced pot singly and gradually harden off before planting season; where no heat is available, sow in cold frame and protect well from frost. In a few very favored spots they may be sown out of doors in April. In warm, genial districts, Dahlias may be planted out about the second week in May. In districts less favored they should not be put out until all reasonable fear of late frosts is passed. The plants in the meantime should remain in the pots and be placed in a cold frame, under a wall, or similarily protected. Before planting out, have the ground deeply trenched and add some rotten manure, leaving the ground a little raised; at the same time drive in a good firm stake to which the plants must be attached immediately the planting is effected. After the plant has attained to the height of about three feet, five or six short side stakes should be added to bear the weight of the lateral shoots, as in case of strong winds these are very liable to be broken off. Two or three waterings are, as a rule, quite sufficient after planting. They commence flowering in August, and continue until cut down by frost, producing for about three months the most enchanting display, the flowers being produced in great abundance and in almost every shade.

Our seed is saved from the finest and most comprehensive collection in the world,—a collection consisting of two or three hundred of the finest and newest named varietis,—and our patrons may rest assured that every shade of color, and every variation of form possible in Single Dahlias will be represented. Our colored plate has been specially prepared to give some idea of the beauty of this new section, and although the reality far surpasses the appearance on paper, yet a fair conception of the variations in form — the reflexed, the partially reflexed, the flat, stellate, or star-shaped form of the flowers — may be had from the work of our artist.

Per Pkt.

Breck's Premier New Single Dahlias, finest mixture 50

We can supply plants of the following after May 1st. Price, 20 cts. each; $2.00 per doz.

Cloth of Gold, rich yellow.
Cecil Teigner, rich, rosy-pink; free.
Dido, magenta-rose, paler at the tips, with a yellow zone at base.
Gracilis Perfecta, velvety crimson, free bloomer.
Halo, magenta-crimson; a zone of yellow at base of florets.
Harlequin, deep rose ground-color, having a broad band of purple down the center of each petal; very attractive.
Harold, very deep rose.
Irene, white, delicately-shaded pink.
LeBaron, rich mulberry, shaded crimson, having a dark line around the center.
Lutea Grandiflora, rich yellow, large, well-shaped flower; very free, and good habit.
Maud Willan, delicate straw, shading to creamy white.
Nora, bright pink, a very free and effective bedder; extra.
Paragon, dark maroon.
Purple Paragon, violet-purple; habit, etc., same as Paragon.
Ruby, rich, ruby-red, fine.
Rob Roy, intense, bright scarlet, very early; extra.
Scarlet Cervantesii, bright scarlet.
Single Zennia, rich crimson-scarlet; a neat flower, dwarf habit.
Solfaterre, pale primrose.
Thalia, pretty, rich amaranth, very dwarf; extra fine.
Thos. Wheeler, pretty terra-cotta color; a good-shaped flower.
Tyro, lilac, yellow zone at the base.
Wm. Gordon, mauve, flushed with pink.
White Queen, one of the best.
Zulu, deep maroon, shaded crimson; color intense.

NOTE.—The Fancy sorts sometimes show a tendency to come self in the first flowers; but this should cause no uneasiness, as later on, when the plant is at its best, they will be quite true to descriptions.



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OSTON, MASS.
1885.

MAYER, MERKEL & OTTMANN LITH. NEW YORK

SINGLE DAHLIAS

Joseph Breck & Sons, Superb Collection.

GODETIA.

Duchess of Albany.

Per Pkt.

This fine Godetia produces large clusters of Œnothera-like flowers of a beautiful glossy, satiny white; each flower when fully expanded measures four inches in diameter. A most valuable addition to hardy Annuals..... 15



GODETIA. Duchess of Albany.

IMPATIENS SULTANI.

New Perennial Balsam.

This is one of the most useful plants of recent introduction. Its brilliant rosy-scarlet flowers are produced in the greatest profusion, and it remains in bloom for a long period. As a decorative plant for the stove, conservatory, or dinner-table, it will be found invaluable..... .25

LOBELIA.

Star of Ishel.

A beautiful dwarf, erect-growing variety, with azure-blue flowers..... .15

MYOSOTIS ALPESTRIS ROBUSTA GRANDIFLORA.

Forget-me-not. "Eliza Fanrobert."

Per Pkt.

The flowers of this variety are sky-blue, with a clear yellow eye, and exceed by far in size any other Alpine Forget-me-not. A fine market plant..... .10

MIGNONETTE. "Machet."

This variety for pot culture has almost no rival. The dwarf and vigorous plants are of pyramidal growth, and furnished with dark-green leaves; they throw up numerous strong flower-stalks, terminated by massive spikes of deliciously-scented flowers.... .25

NEW RACE OF SWEET PEAS.

The Sweet Pea "on tiptoe for a flight," is such a favorite with everybody that novelties in color will be eagerly welcomed. The following beautiful new varieties have been raised in Europe, and as they are really valuable acquisitions, we have great pleasure in introducing them. *Cardinal, Indigo King*, and *Princess of Wales* are Mr. Eckford's latest novelties.

Per Pkt.

Princess Beatrice (*Hurst*). Rich and beautiful carmine rose, shaded with lighter and darker tints. Splendid variety..... 25

Grand Blue (*Eckford*). Deep blue, with pale blue center and wings..... .25

Miss Ethel (*Eckford*). Pink, with carmine blush wings..... .25

Queen of the Isles (*Eckford*). Bright scarlet, mottled with white, wings flaked with rosy-purple..... 25

Cardinal (*Eckford*). A splendid robust-growing variety, producing a great profusion of bright, shining crimson-scarlet flowers, very distinct and handsome 50

Indigo King (*Eckford*). The standard of this charming variety is of a dark maroon-purple, with clear indigo-blue wings..... 50

Princess of Wales (*Eckford*). A lovely variety, shaded and striped with mauve on a white ground, in a most pleasing manner; flowers of great substance and perfect shape. It has been awarded a first-class certificate by the Floral Committee of the Royal Horticultural Society..... 50

Invincible Carmine (*Laxton*). Intense crimson-carmine; large and brilliant flowers. Awarded a first-class certificate by the Royal Horticultural Society..... .25

Adonis. Bright rosy-carmine, a beautiful contrast to the more decided shades..... .15

CHOICE PANSIES.



Per Pkt.

Pansy, Superb Fancy. — This we believe to be the finest strain in cultivation. It is most assuredly a very superb stock, having been saved by a Scotch specialist in Pansies from the finest named and seedling sorts, principally those gorgeously blotched and marked varieties commanding such general favor, hence we have very much pleasure in recommending it to our customers, feeling assured that it will give the most complete satisfaction..... .50

Pansy, Superb Show.—A very pure strain which has been saved by the same grower from the most choice varieties with equally as much care as the Fancy, and may be relied upon to produce quite as satisfactory results, and a great variety in character and color of flowers.... .50

Pansy, Trimardeau Giant. — An entirely distinct and beautiful race, producing flowers of a size hitherto unknown. The plants are vigorous, though compact in habit; and the flowers, which are of the richest and most varied shades of color, are thrown well above the foliage. Each one is marked with three large blotches..... .50

NEW PHLOX.

Phlox Drummondi Grandiflora Stellata Splendens. (Benary.)



The "Grandiflora Splendens" is generally admitted to be the richest-colored and most effective of all the large-flowered Phloxes. An exact idea of the present novelty can be formed by picturing to one's self that variety, but with the difference that the center of its vivid crimson flowers is occupied by a clearly defined pure white star. This new Phlox is the equal in every respect of *Grandiflora splendens*, and must prove a most valuable acquisition to the list of large flowered Phloxes; its charming, lively color will make it a general favorite in a very short time; 200 seeds, .50

PHACELIA CAMPANULARIA.

Per Pkt.

A splendid Annual, resembling in habit the well-known *Whitlavia grandiflora*, but is more branching. Its large and abundant funnel-shaped flowers are considerably broader and shorter than those of the *Whitlavia*, and in color they resemble the beautiful rich deep blue of our famous native *Blue Gentian*..... .25

PRIMULA FIMBRIATA ALBA MAGNIFICA.

White Fringed Primula.

Splendid strain. The flowers measure 2½ inches in diameter, pure white, with a large bright yellow eye, each petal being deeply and beautifully fringed, the flowers are borne in large trusses well above the foliage..... .50

PRIMULA FIMBRIATA CHISWICK RED.

Red Fringed Primula.

This is best described as the most brilliant crimson-scarlet Primula yet sent out, its habit is as robust as *Alba magnifica*, the foliage very finely cut and deep green..... .50

RHODANTHE MANGLESI. New Dwarf White.



This distinct and neat-habited new Everlasting is very superior to the well-known *Rhodanthe maculata alba*, it being of more dense, compact habit, and producing its silvery, white flowers in great profusion. It is a most valuable addition to our limited list of Everlasting flowers, and is bound to prove a great acquisition for cutting purposes, while its dwarf habit and the silvery whiteness of its flowers make it a most charming variety for the flower bed or border..... .50

SILENE COMPACTA. New Double Pink.



All lovers of early flowers will welcome this charming novelty. As shown in the illustration, the double flowers are produced all over the plant in greatest profusion. The color is far purer than in the single kind, and the blossoms are larger and more numerous, whilst there appears no end to its flowering period,—the plant never losing its peculiar compact habit..... Pkt .50

STOCKS.

Stock, New Perpetual Flowering Double White (*Hardy's All-the-Year-Round*). The raiser says: "This variety will produce fine spikes of double white flowers from January to December. The plants grow about twelve inches in height, and if plenty of room is given, will grow three feet through, well feathered to the ground, and produce thousands of bunches of bloom. If sown in the Spring the plant will begin to flower in November, and keep in bloom all the Winter and the following year if planted out of doors. I gathered a large bunch of the double flowers last Christmas frozen hard, and when put in water they opened out quite fresh; the same plants have been, and are still, in bloom. There are but few single ones; they come at least 75 per cent. double."..... 50

Stock, Forcing Ten-week "Snow Flake" (*Dwarf, Wallflower-leaved, Large Flowering*). The number of Annuals which furnish white flowers for cutting very early in the year is so limited that the addition thereto of a first-class novelty like the present one will certainly prove welcome. In habit this Stock closely resembles the Dwarf Pyramidal race; it produces a vigorous main spike of uncommonly large and very double snow-white flowers, and, when fully developed, also numerous flowering side-shoots. Its glossy dark-green (Wallflower) foliage renders so much the more striking the dazzling whiteness of the flowers. "Snowflake," the earliest white, and one of the earliest of all the Ten-week Stocks, is admirably adapted for forcing. Seed produces about 60 per cent. of plants having double flowers..... .50



STATICE SUWOROWI.

STATICE SUWOROWI.

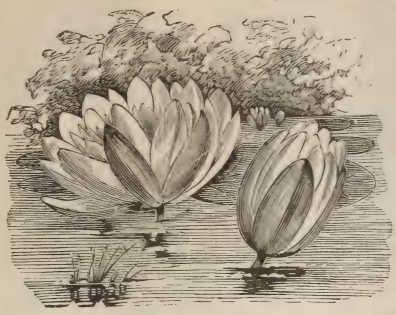
This Annual species if sown early and successively, may be had in bloom during the entire season. The flower-spikes are numerous; color, bright rose; producing a fine effect... .25

VERBENA. Golden-leaved.

The golden-yellow foliage of this interesting and attractive variety forms a beautiful contrast to the bright scarlet color of its flowers. Admirably adapted for bedding purposes.... 25

THE NEW PINK WATER LILY.

Nymphæa Odorato Rosea.



The famous Pink Water Lily is the grandest acquisition ever made to our list of hardy Nymphæas. It possesses all the desirable qualities of the white flowered species, — hardiness, freedom of bloom, and delicious fragrance, with the added charm of a deep pink color, a shade somewhat like the rose, called "Hermosa." The flowers average a larger size than the white, and are in great demand in the large cities and at watering-places during their season. Its lovely pink flowers are worthy of a place beside the most costly exotics. May be successfully grown in a tub, and wintered in a cellar. Does well in one of the beds in the Lily tank, but a more satisfactory way than either is to naturalize it in a pond, or slow-running stream. Do not tie a stone to it and sink it, as many recommend, but push it carefully into the mud with the hands or feet. Where the mud is very rich, it will produce flowers six inches, and leaves thirteen inches across. We unhesitatingly pronounce this the most lovely and desirable of all the hardy Water Lilies, and we are happy to be able to offer good roots this season at a greatly reduced price. Last season the roots sold at from $6.00 to $10.00 each. This year we offer fine strong bulbs at $3.50 each, two for $6.00; by mail, 10 cts. each, extra.



THE WHITE WATER LILY.

Nymphæa Odorato.

The hardy, sweet-scented, white flowered species. Very common in New England ponds and water courses, where its white flowers float like cups of snow, symbolical of coolness under an August sun, and each bearing a fragrant California in its bosom. The flowers grow very large under proper cultivation. Treatment same as directed for the pink variety.

Price, 35 cts. each; $3.00 per doz.

NEW WHITE TIGER FLOWER.

Tigridia Grandiflora Alba.

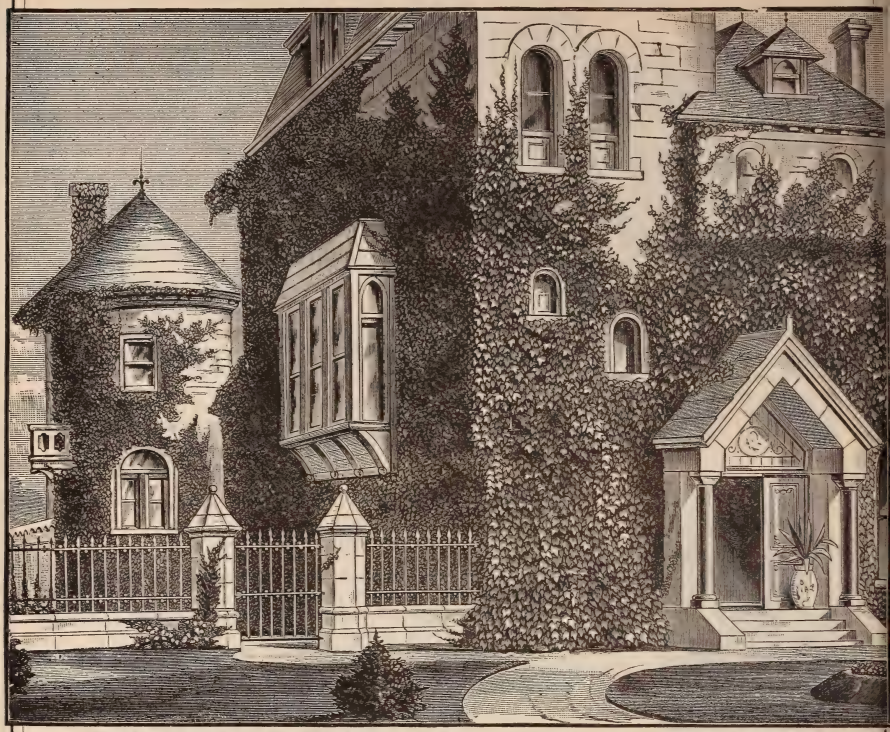
Flowers large of a pearly white color, marked at the base of each division with large chestnut spots on a yellowish ground, contrasting beautifully with the white of the petals.

"A lovely plant in its own deliciously fugitive way, reminding one of those pearl-toothed Eastern beauties, who laugh at you one moment and then closely veil their faces the next, as if blushing repentant of so bold a sin. 'Creamy white, marked with chestnut-red, on a yellowish ground'; yes, that sounds pretty enough, and having obtained a few of its bulbs, I am on the tiptoe of expectancy, seeing that its congeners are so strikingly lovely in the Summer sun."—*The Garden.*

Each, 25 cts. Per doz., $2.50.



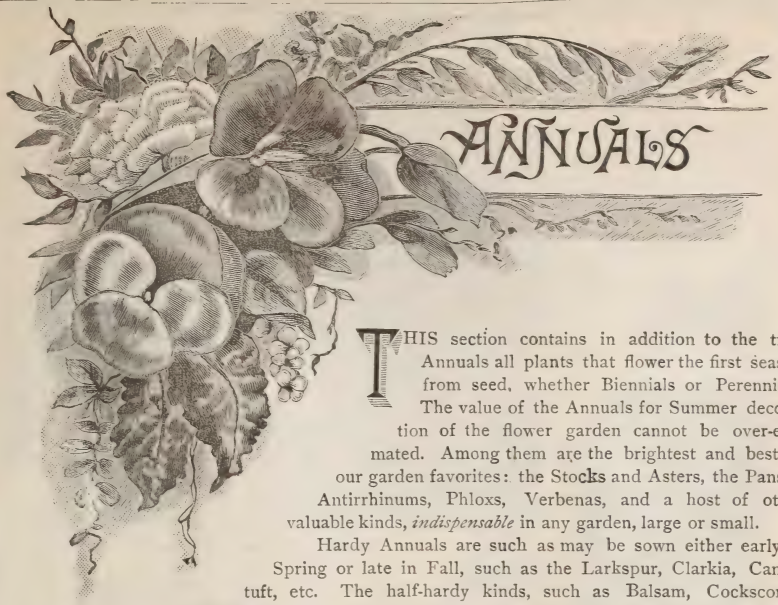
BOSTON IVY (Ampelopsis Veitchii).



The *Ampelopsis Veitchii*, which is generally known as the Boston or Japanese Ivy, is familiar to every native of Boston, being largely used for the decoration of residences, &c., in and around the "Hub," and produces such a charming and striking appearance as to be pointed out to visitors as one of the "lions" of the city. Any one who is a stranger to Boston can form but little idea of the beauty produced by the graceful and luxuriant foliage of this plant when at its full perfection, in such places for example as the arched gateways of Forest Hills Cemetery, or the building occupied by the Somerset Club in Beacon Street, or even battling bravely with the dust and smoke on the walls of the Old South Church in Washington Street. Our engraving, which is drawn from nature, will give a faint idea of the way in which its graceful drapery will cover a building; but the glossy bright green of the foliage in Summer, or the brilliant scarlet and gold which the leaves assume in the Autumn, must be seen to be appreciated. It clings most tenaciously to the smoothest surface, either wood or stone, and being quite hardy, requires little after attention — growing in grace and beauty every year. It is propagated both from seeds and cuttings; and we ship every year immense and increasing quantities both of seeds and plants. It is fast becoming a general favorite, and we have no doubt it will soon be as universally grown and as greatly admired as that "rare old plant the Ivy green, that climbeth o'er ruins old," is in Great Britain.

The soil should be of a rich, moist nature, but care should be taken that it be well drained, as a sour, stagnant soil is most unsuitable. Seeds may be started in a hot-bed or frame in March or earlier, and by May will produce plants strong enough to set out. In April and May the plants from cuttings are ready to ship as soon as the weather is favorable. The ease with which this Ivy can be grown, its hardiness, and general suitability for all purposes for which climbing vines are used, all combine in making it an indispensable ornament to every tasteful home in America.

PRICES: Seeds, per pkt., 10 cts.
Plants, 25 cts. each; per doz., $2.50. If by mail, 10 cts. each extra.



ANNUALS

THIS section contains in addition to the true Annuals all plants that flower the first season from seed, whether Biennials or Perennials. The value of the Annuals for Summer decoration of the flower garden cannot be over-estimated. Among them are the brightest and best of our garden favorites: the Stocks and Asters, the Pansys, Antirrhinums, Phloxs, Verbenas, and a host of other valuable kinds, *indispensable* in any garden, large or small.

Hardy Annuals are such as may be sown either early in Spring or late in Fall, such as the Larkspur, Clarkia, Candytuft, etc. The half-hardy kinds, such as Balsam, Cockscomb, Marigold, etc., should not be sown before the middle or last of May. Tender Annuals, like the Sensitive Plant or Ice Plant, will not stand cold, and should be raised in artificial heat, and transplanted to the open ground about the 1st of June.

In sowing the seed great care must be taken to have the soil in good mellow condition. Plant the large seeded varieties, such as Lupins, Sunflowers, etc., about three-quarters of an inch deep, other kinds in proportion to the size of the seed. Fine-seeded sorts like the Mimulus, should be spread directly on the surface, and then covered with a very fine sifting of soil.

ABRONIA.



Charming trailer, with beautiful verbena-like clusters of sweet-scented flowers; continues in bloom a long time; very effective in beds, rock-work, or hanging-baskets.

	Pkt.
Umbellata, rosy lilac, fragrant, ...	.10
Arenaria, yellow, ...	.10

AGROSTEMMA.



Handsome, free-flowering, attractive border plants, at home in any garden; excellent for cut flowers.

	Pkt.
Cœli Rosea (*Rose of Heaven*), rose; 1 ft. . . .	.05
Alba, white, 1½ ft.	.05

AGERATUM.

Splendid plants for large clumps or masses, as well as for in-door blooming during Winter; very useful for cut flowers. Sow in light, rich soil.

	Pkt.
Imperial dwarf, blue; 1 ft.,	.05
Lasseauxii, pink; compact plant, 1½ ft.,	.10
Mexicanum, lavender blue; 2 ft.,	.05
Album, white; 2 ft.,	.05

ADONIS.



Charming Annuals, with finely cut foliage and brilliant flowers. They do splendid in a shady out-of-the-way corner of the garden. Twelve to eighteen inches in height.

	Pkt.
Æstivalis (*Flos Adonis*), Summer flowering, scarlet,	.05
Autumnalis, Autumn flowering, blood red,	.05

ALONSOA.

Handsome bedding plants, succeeding well in any good garden soil, freely producing flowers of great brilliancy from early Summer until frosts; valuable for in-door decoration. Sow the seed under glass, and do not remove to the garden until the weather is warm.

	Pkt.
Grandiflora, large flowered scarlet; 2 ft.,	.05
Warciwiczii. Flowers bright scarlet, forming a pretty spike. Height, 18 in.,	.05

ANAGALLIS.

The Anagallis family — to which belongs our wild Pimpernel or Poor Man's Weather-glass,— have very pretty flowers; are profuse and constant bloomers; valuable for small beds, edgings, rustic baskets, vases, or rock-work.

	Pkt.
Grandiflora superba, fine mixed,	.10

ALYSSUM.



Free flowering, pretty little plants for beds, edgings, or rock-work. The Annual varieties bloom the whole Summer, and come very freely from seed. For a pot plant during Winter the Sweet Alyssum is most excellent.

	Pkt.
Maritimum (*Sweet Alyssum*), fragrant, white; ½ ft.,	.05
Benthami compactum (*Dwarf Sweet Alyssum*), pure white,	.05

AMARANTHUS.



Ornamental foliaged plants, extremely graceful and interesting, producing a striking effect, whether grown for the decoration of the conservatory or out-door flower garden; sow either in the open border where the plants are to bloom, or under glass and transplant.

	Pkt.
Abyssinicus, very effective when grown as isolated specimens; 3 ft.,	.10
Bicolor ruber, foliage green, shaded with red and sometimes pointed yellow; 3 ft.,	.05
Caudatus (*Love Lies Bleeding*), red drooping panicles of flowers; handsome; 3 ft.,	.05
Cruentus (*Prince's Feather*), crimson; highly ornamental; 3 ft.,	.05
Henderi, varied colors: very brilliant, one of the best; 3 ft.,	.15
Melancholicus ruber, rich resplendent carmine foliage; 1 ft.,	10
Salicifolius, scarlet, bronzy-green foliage; graceful drooping habit; 3 ft.,	10
Tricolor (*Joseph's Coat*), foliage scarlet, yellow, and green; beautiful; 1½ ft.,	.05

ASTER.



This is not only one of the most popular, but also one of the most effective of our garden favorites, producing, in profusion, flowers in which richness and variety of color are combined with the most perfect and beautiful form.

The vast improvement made in the last few years by the English and German growers of this showy flower cannot be too highly spoken of. We refer especially to the different varieties of Truffaut's Pæony-flowered and the New Washington Asters. The La Superbe varieties of the first-named are rightly termed, for in every respect they are truly superb.

The New Washington varieties are extremely beautiful, attaining a very large size, averaging 4½ inches in diameter, and in delicacy of tints are unequaled. Aster seed should be sown early in the Spring in a hot-bed or window box, and transplanted out-doors when the weather is warm, about 12 inches apart — the taller varieties a little farther apart, and the dwarf varieties a little nearer together.

For late flowering, seed may be sown in the open ground from the 1st to the 10th of May.

	Pkt.
German quilled. For beauty and quality of flower, and variety and brilliancy of color, nothing finer in the way of a quilled Aster can be had than this strain. Mixed colors,	.25
Betteridge's choice quilled, mixed colors,	.10
—**Collection** of 100 seeds each, 12 distinct colors,	1.00
Cocardeau or **Crown,** large white-centered flowers; attractive and beautiful; mixed colors; 2 ft.,	.10
—**Collection** of 100 seeds each, 6 distinct colors,	.60
Dwarf Chrysanthemum, immense flowers; free bloomer; mixed colors; ¾ ft.,	.15
—**Collection** of 100 seeds each, 12 distinct colors,	.90
Dwarf Pyramidal Bouquet, so profuse in bloom that the foliage is completely hidden with flowers; mixed colors; 1 ft.,	.10
—**Collection** of 100 seeds each, 6 distinct colors,	.50
Giant Emperor, immense brilliant flowers, very double; mixed colors; 1½ ft.,	.15
—**Collection** of 100 seeds each, 8 distinct colors,	.90
Hedgehog, Porcupine, or **Needle,** a grand variety, with large massive flowers, the petals of which are long, quilled, and sharply pointed; mixed colors; 2 ft.,	.10
Imbricated Pompon, exquisitely formed small flowers; mixed colors; 1½ ft.,	.10
—**Collection** of 100 seeds each, 12 distinct colors,	.90
Pæony-flowered Globe, very early variety, vigorous habit, and large flowers, very double; mixed colors; 2 ft.,	.10
Truffaut's French Pæony-flowered Perfection. This is the most perfect type of the Pæony-flowered Asters; the habit of the plant is excellent, the flowers are perfect in quality, form, size and color; choicest mixed; 1½ ft.,	.25
—**Collection** of 100 seeds each, 12 distinct colors,	1.25
—**Collection** of 100 seeds each, 8 distinct colors,	.75
La Superbe, rose; sky-blue and white; pure white; each,	.15
—**Mixture** of 3 colors,	.15
Victoria, of vigorous habit, pyramidal form: flowers very large, beautifully imbricated, and freely produced; mixed colors; 1½ ft.,	.15
—**White, tinted with rose,** a new delicately colored variety, the young flowers of which are particularly charming and well adapted for bouquet-making,	.25
—**Collection** of 100 seeds each, 12 distinct colors,	1.00
New Washington, without exception the largest Aster in cultivation, the flowers being frequently 4 to 5 inches in diameter, and of perfect form; mixed colors; 2 ft.,	.25
—**Collection** of 100 seeds each, 4 distinct colors,	.60

ANTIRRHINUM.



The Antirrhinum, popularly called Snapdragon, is one of our most showy and useful border plants; if not too much exhausted by profuse flowering they will stand through the Winter, and bloom the second season. The Tom Thumb varieties are most charming plants.

	Pkt.
Tall varieties, splendid mixture; 2 ft.,	.05
Dwarf " " " 1 ft.,	.05
Tom Thumb, " " " 6 in.,	.05

ANCHUSA.

Remarkably effective border plants; growing freely in shaded situations; excellent for shrubberies or the wild garden; continuous bloomer, and fine for bouquets.

	Pkt.
Capensis, intense blue; 2 ft.,	.05

ANGELONIA.

A tender Annual; very beautiful for pot culture; produces fine spikes of very sweet-scented flowers.

	Pkt.
Grandiflora, sky blue; 18 in.,	.10

ARCTOTIS.

Handsome, free-flowering plants of close compact dwarf habit, with large, beautiful flowers that continue the whole Summer.

	Pkt.
Breviscapa, large orange flowers with dark center,	.10

ASPERULA.

The Asperula azurea setosa, is a dwarf Annual, bearing clusters of small sweet-scented blue flowers; it grows about 9 inches high, and is excellent for making up bouquets.

	Pkt.
Azurea Setosa,	.05

ARGEMONE.



The Argemone, commonly called Prickly Poppy, is a remarkably distinct plant, both in flower and foliage; its large poppy like flowers are very effective in the border.

	Pkt.
Hunnemanii, carmine and yellow; 2 ft.,	.05

ARTEMESIA.

Highly decorative foliaged plant, splendid for rock-work.

	Pkt.
Gracilis, fine; 4 ft.,	.05

BARTONIA.



An effective plant for borders and beds, producing a profusion of metallic yellow flowers showing well above the downy, thistle-like foliage, and appearing exceedingly brilliant in the sunshine.

	Pkt.
Aurea, golden yellow; 1 ft.,	.05



BALSAM.

Magnificent conservatory or out-door plants, producing their gorgeous masses of beautiful brilliant-colored flowers in the greatest profusion. The soil in which they are grown should be of the richest possible character; the plants should be set fifteen inches apart, securely staked, and receive frequent waterings of manure water.

	Pkt.
Double white; 2 ft.,	.10
Double red; 2 ft.,	.10
[The above two varieties are unsurpassed for florists' use.]	
Camellia-flowered, mixed; 2 ft.,	.10
— Collection of 12 distinct colors,	.75
Dwarf double, mixed colors; 1¼ ft.,	.10
Rose-flowered, mixed colors; 2 ft.,	.10
— Collection of 9 distinct colors,	1.00
Double Solferino, very beautifully striped and streaked with lilac and scarlet; 2 ft.,	.15
Fine mixed,	.05
Double Victoria, white, scarlet spotted; 2 ft.,	.20

New Carnation striped, white, spotted, and striped, ... Pkt., .10

BRACHYCOME (Swan River Daisy).



A beautiful free-flowering dwarf-growing plant, covered during the greater portion of the Summer with a profusion of pretty Cineraria-like flowers; very effective as edgings to small beds; for rustic baskets, or for pot culture.

	Pkt.
Iberidifolia, blue; ½ ft.,	.10
Alba, white; ½ ft.,	.10

BROWALLIA.

The Browallia is one of the finest of the few blue flowers suitable either for pot or garden culture, and very valuable for cutting for bouquets. A sandy soil suits it best, but any ordinary garden loam will answer.

	Pkt.
White, and blue; each,	.10

CACALIA (Tassel Flower).

A beautiful and profuse-flowering genus of plants, of remarkably easy culture. The Cacalia is often called Flora's Paint Brush from the form of the flower; continues in bloom all Summer, and is excellent for cutting; succeeds best in rather rich soil.

	Pkt.
Aurea, golden yellow; 1½ ft.,	.05
Coccinea, orange scarlet, flowering in clusters, very pretty; 1½ ft.,	.05

CALLIOPSIS, OR COREOPSIS.



Few, if any, Annuals are more useful than these; the colors are rich and striking, flowers numerous and beautiful; produce a fine effect in mixed borders. Sow the seed where the plants are to flower.

	Pkt.
Drummondi, purple and yellow; 18 in.,	.05
— **mixed colors** of every shade,	.05



CANDYTUFT.

One of the most useful border Annuals, very effective in beds, groups, ribbons, etc.; also very useful for pot culture for conservatory decoration during Winter; seed sown in Autumn will flower early in Spring, and if sown in April or May will continue in bloom until frost; indispensable for bouquets.

	Pkt.
Carter's New Carmine, distinct and beautiful, presenting one mass of vivid carmine bloom,	.10
Dunnettii, dark rich crimson, splendid strain; 1 ft.,	.05
Fragrant, pure white; 1 ft.,	.05
Hybrid Dwarf, very floriferous, choice colors, mixed,	.15
Purple, 1 ft.,	.05
Rocket, white, large trusses; 1 ft.,	.05
White, very desirable; 1 ft.,	.05
Fine mixed,	.05

CANNA (Indian Shot).

A genus of highly ornamental plants, remarkable for large and handsome foliage, majestic habit, and brilliant flowers. When planted in groups or masses, they impart quite a tropical aspect to the garden. Cannas are easily raised by sowing the seed early in Spring, in a strong, moist heat, when the plants are highly decorative the first season; may also be planted in the flower-border in the latter part of May and June, but will not flower so early.

	Pkt.
Anneii, rich crimson; 3 ft.,	.10
Bihorelli, brown violet foliage; 4 ft.,	.10
Bonnetti, red and yellow; 7 ft.,	.10
Depute Hernon, leaves deep green, flowers sulphur and orange; 5 ft.,	.10
Indica, red, from India; 2 ft.,	.05
Limbata, intense scarlet edged with yellow, very striking; 4 ft.,	.10
Napalensis, foliage green, flower clear yellow, very beautiful; 3 ft.,	.10
Warscewiczii, brilliant red, foliage striped, from Central America; 3 ft.,	.10
Zebrina, beautiful zebra-striped foliage; 5 ft.,	.10
Fine mixed varieties,	.10
Collection of 12 distinct varieties.,	.75
Canna Roots. Those desiring to make more effective display than can be had with plants the first season from seed, can obtain strong roots of Cannas at 25 cents each, $2.50 per dozen.	
Ehemani, a magnificent new Canna, should be in every garden, strong roots; each,	.50

CELOSIA (Cockscomb).



Magnificent, free-flowering, graceful-growing plants, producing in the greatest profusion spikes of the most beautiful feathery flowers. Plants of the Celosia flower freely if planted out in June in light soil, not too rich; grown in pots, they are the most elegant of greenhouse and conservatory plants. The seeds of our Cockscombs are saved from a most superb collection.

	Pkt.
Argentea, silvery white, shaded with rose, elegant; 3 ft.,	.10
Huttonii, a beautiful, dark foliage bedding or greenhouse plant,	.15
Japonica (*Japanese Cockscomb*). The combs are almost as delicately cut as ruffled lace, while the colors are the brightest imaginable,	.10
Cristata nana, choice mixture of the newest dwarf crested varieties, embracing the most brilliant colors,	.10
Pyramidalis, choice mixture of all the plumed or feathered sorts,	.10
Collection of 8 splendid varieties,	.75

Glasgow Prize, a splendid distinct dwarf variety, with dark foliage and crimson combs, Pkt., .25

CALLIRHOE.

An elegant genus of plants, strongly resembling the Scarlet Linum; commences to bloom when about six inches high, and presents a mass of flowers during the entire Summer; sow in the open ground, and when 3 inches high thin out to a foot apart.

	Pkt.
Involucrata, a trailing variety, with large rich crimson purple flowers,	.10
Pedata, purple crimson; 2 ft.,	.10
— nana, violet crimson; 1 ft.,	.10

CENTRANTHUS.

Very pretty, free-flowering, compact growing plants, very effective in beds, ribbons, or as an edging; their transparent stems, delicate branches and light glaucous leaves render them very beautiful; grow freely in any common garden soil; natives of Grenada.

	Pkt.
Mixed colors; 2 ft.,	.05

CATCHFLY (Silene).

A showy free-flowering plant, for beds, borders or ribbons; succeeds in any soil.

	Pkt.
Silene Armeria (*Lobel's Catchfly*), mixed colors; 1½ ft.,	.05
In variety (*see Silene*).	

CALANDRINIA.

Very beautiful free-flowering plants, invaluable for edgings, rock-work, and dry, hot banks, or similar situations; they have fleshy leaves and succulent stems, like the Portulaca, and produce an abundance of blossoms, which, when fully expanded, have a charming effect; they all succeed in light rich soil.

	Pkt.
Discolor, rose; 1 ft.,	.05
Grandiflora, large flowered, rosy pink; 1 ft.,	.05
Umbellata, crimson violet, 3 inches; perennial, but flowers first season from seed,	.10

CENTAUREA.



Showy, hardy plants; many of the varieties have beautiful silvery foliage, and are indispensable for ribbon bordering or carpet bedding. If a thick mass of foliage is desired, they should not be allowed to flower, but the buds picked off as they appear. The Centaurea Cyanus is the well known Bachelor's Button or Corn Bottle, C. Moschata is the Sweet Sultan, and C. Americana is sometimes called the Basket Flower, from the appearance of the involucre.

	Pkt.
Americana, lilac purple, showy; 2 ft.,	.05
Cyanus (*Bachelor's Button*), various colors mixed,	.05
Depressa, blue, red center, large flowers; 1 ft.,	.05
Moschata (*Sweet Sultan*), mixed colors,	.05

(See also under greenhouse section.)

CLINTONIA.

Charming neat little Lobelia-like plants, producing a fine effect as edgings or on rock-work, in rustic baskets, vases, etc.

	Pkt.
Elegans, blue; ¼ ft.,	.10

CHRYSANTHEMUM.



PARIS DAISY.

The tall Annual Chrysanthemums, when well grown, are amongst the most showy, effective and desirable of Summer-flowering border plants; to allow for individual development, they should be thinned out from 12 to 18 inches apart. The dwarf kinds make showy bedding plants. They are very free-flowering, and continue in bloom till late in the Fall.

	Pkt.
Tricolor, white with yellow band, very showy; 1 ft.,	.05
Burridgeanum, white with crimson band beautiful; 1 ft.,	.05
— **aureum fl. pl.**, large double golden-yellow flowers; 1 ft.,	.10
Frutescens (*Marguerite, or Paris Daisy*). The white, star-like flowers of this variety, so popular for decorative purposes, are freely produced under the most ordinary culture; 1½ ft.,	.10
Lord Beaconsfield, crimson maroon, edged and striped with a golden rim surrounding a rich brown eye,	.15
The Sultan, rich velvety crimson maroon, with golden rim surrounding a dark brown center,	.15

CAMPANULA.

The Annual Campanulas are very handsome plants; neat and showy and excellent for masses or borders, being quite hardy and very free-flowering. Sow the seed either under glass or in the open ground, and transplant to 6 inches apart in beds. The Campanula Speculum is the well known Venus' Looking-glass. The Perennial Campanulas, including the old favorite Canterbury Bell, will be found under the Perennial section.

	Pkt.
Speculum (*Venus' Looking-glass*), mixed colors of every shade; 6 inches,	.05
Lorei, blue and white, mixed; 1 ft.,	.05

CHAMÆPEUCE.

Singularly beautiful, thistle-like plants; for borders are highly picturesque, while for centers of beds they are most unique. They are Perennials, flowering the second season, but as the principal beauty of the plants is their foliage, which attains perfection the first year, we have classed them under the Annual section.

	Pkt.
Cassabonæ (*Fish-bone Thistle*), glossy dark-green foliage, covered with curious hairy spines; 1½ ft.,	.10
Diacantha, handsome variegated foliage and yellow flowers; 1½ ft.,	.10

CONVOLVULUS TRICOLOR

(Dwarf Morning Glory).





Remarkably showy plants, with exceedingly handsome, rich-colored flowers, producing in beds and mixed borders an unusually brilliant effect, either in distinct colors, ribboned, or mixed.

	Pkt.
Tricolor, brilliant yellow eye encircled with a band of snowy white, margined with rich crimson violet,	.10
— **monstrosus,** deep violet purple,	.05
— — **splendens,** rich violet, with white center,	.05
— **striped,** blue, beautifully striped with white, trailer,	.05
Mauritanicus, beautiful for hanging baskets and vases, flowers blue, very floriferous, perennial,	.15
Unicaulis, upright growth, with a compact head of flower buds, blossoms of rich purplish blue,	.10
White,	.05
Minor "Rose Queen," a charming novelty, with rose-colored flowers, center pure white, fringed with purple-violet, melting toward the throat into golden yellow,	.15
Fine mixed varieties,	.05

COLLINSIA.

An exceedingly pretty, free-flowering popular genus, remarkably attractive in beds, mixed borders, or ribbons.

	Pkt.
Bicolor, purple and white; 1 ft.,	.05
— **alba,** pure white; 1 ft.,	.05
Multicolor marmorata, white and rose; 1 ft.,	.05
Fine mixed,	.05

CLARKIA.



A beautiful tribe of favorite plants, with pretty, cheerful-looking flowers, growing freely and blooming profusely under almost any circumstances; very showy and excellent for massing.

	Pkt.
Elegans, rosy purple; 2½ ft.,	.05
— **alba,** white; 2 ft.,	.05
— **alba plena,** double, pure white,	.10
Integripetala Tom Thumb, rose crimson; 1 ft.,	.05
— — **alba,** white; 1 ft.,	.05
— — **marginata,** magenta, edged white; 1 ft.,	.05
Pulchella, deep rose; 1½ ft.,	.05
— **fl. pl.,** double, rich magenta,	.10
Fine mixed, double and single,	.05

COSMANTHUS.

The Cosmanthus fimbriata is a small spreading plant about 12 inches in height, with very pretty fringed flowers.

	Pkt.
Fimbriata, lilac and white; 1 ft.,	.05

DATURA (Trumpet Flower).

An ornamental genus of plants, many of which possess attractions of the highest order. In large clumps or borders of shrubbery, they produce an excellent effect. The roots may be preserved in sand through the Winter in a dry cellar, same as Dahlias.

	Pkt.
Atroviolacea plenissima, almost black, inside beautiful light purple,	.10
Ceratocaulon, satin white, striped purple, sweet-scented; 2 ft.,	.10
Chlorantha fl. pl., golden yellow, fragrant; 2 ft.,	.10
Fastuosa alba, pure white, double; 2 ft.,	.10
— **Huberiana varieties,** splendid, mixed, from new varieties,	.15
Meteloides (*Wrightii*), white bordered lilac, handsome; 2 ft.	.10

DIDISCUS.

A pretty plant, from Australia, with numerous umbels of sky blue flowers. Sow under glass in Spring.

	Pkt.
Cœruleus, blue; 1½ ft.,	.05



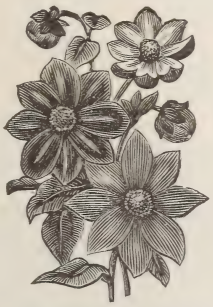
DIANTHUS.

A magnificent genus, which embraces some of the most popular flowers in cultivation. D. Chinensis and its varieties may be considered the most beautiful and effective of our hardy Annuals; the double and single varieties, with their rich and varied colors in beds or masses, are remarkably attractive; while the recently introduced varieties, with their large, richly colored flowers, close, compact habit, and profusion of bloom, are unsurpassed for effectiveness in beds or mixed borders. Seed may be sown in Spring under glass or in a hot bed.

	Pkt.
Chinensis (*China or Indian Pink*), single, many colors mixed, showy,	.05
— **fl. pl.**, a splendid mixture, producing a large proportion of double flowers,	.10
Heddewigii, color varies from the richest velvety crimson to the most delicate rose, a magnificent variety; 1 ft.,	.10
— **fl. pl.**, double variety of the preceding, very showy; 1 ft.,	.15
— **diadematus fl. pl.**, of dwarf, compact habit, of various tints of rose, maroon, and purple, one of the best of its species; 1 ft.,	.15
— **laciniatus**, beautifully fringed, finest colors mixed; 1 ft.,	.10
— **fl. pl.**, a double variety of the preceding, in splendid colors; 1 ft.,	.15
Imperialis, fl. pl. (*Double Imperial Pink*), many colors mixed,	.10
Choice dwarf varieties, mixed,	.10
Crimson Belle, vivid crimson-lake flowers, large and beautifully laced; 1 ft.,	.15
Eastern Queen, beautifully marbled, unique and attractive; 1 ft.,	.15

DAHLIA — Single.

(New strain.)



The Single Dahlia grows very readily from seed, and if started early blooms freely the first season; our strain is saved from the finest collection in the world. (See colored plate.)

	Pkt.
Superb collection from over 200 newest named varieties,	.50

DOUBLE DAISY (Bellis Perennis).

A well known and favorite plant for the border or pot culture. Sow the seed very early in Spring and transplant into the border 6 inches apart.

	Pkt.
Double white, pure white flowers, valuable for florists; ¼ ft.,	.25
Mixed, saved from double flowers; ¼ ft.,	.25

EUTOCA.

Showy and free-flowering plants, from California, suitable for beds or mixed borders. Does best in light soil. Flowers keep well after cutting.

	Pkt.
Multiflora, pink, a profuse bloomer; 1½ ft.,	.05
Viscida, bright blue; 1 ft.,	.05

EUPHORBIA.



A showy border plant, with foliage veined and margined with white; a native of the Western states and sometimes called "Snow on the Mountain;" very attractive.

	Pkt.
Variegata, white,	.05

ERYSIMUM.

Very showy, free-flowering, handsome, hardy Annuals, very effective in beds, mixed borders, or ribbons; succeed in light rich soil. Sweet scented; good for cutting.

	Pkt.
Arkansanum, sulphur yellow, very handsome; 1½ ft.,	.05
Peroffskianum, orange: 1½ ft.,	.05

ESCHSCHOLTZIA (California Poppy).

An exceedingly showy, profuse-flowering genus of plants, with extremely rich and beautiful colors; attractive for bedding, massing, or ribboning; light rich soil.

	Pkt.
Californica, bright yellow, with rich orange center; 1 ft.,	.05
— **alba fl. pl.**, a new double white variety of remarkable beauty,	.25
Carminea (*grandiflora rosea*), a charming variety, with large flowers of intense carmine, blooms until late in the Fall,	.25
Crocea, rich orange; 1 ft.,	.05
— **alba**, creamy white; ½ ft.,	.05
Mandarin. The inner side of the petals is of a rich orange color, the outer side being the brilliant scarlet known as the mandarin scarlet,	.15
Mixed colors,	.05

FENZLIA.



A splendid profuse-blooming neat little plant, gracefully beautiful for pot culture, and very effective in beds; requires considerable moisture.

	Pkt.
Dianthiflora, rosy lilac, dark-purple throat; ¼ ft.,	.25

GAILLARDIA (Blanket Flower).

Splendid bedding plants, remarkable for the profusion, size, and brilliancy of their flowers, continuing in beauty during Summer and Autumn.

	Pkt.
Choice mixed, Annual varieties, rich colors; 1½ ft.,	.05
Picta Lorenziana. (*New Double Gaillardia.*) As an ornamental plant, and on account of its long duration of bloom and its usefulness for cut-flowers, this variety cannot be too highly recommended. The colors offered (in mixture) comprise sulphur yellow, golden yellow, orange, amaranth, and claret,	.15

GILIA.



Very pretty dwarf Annuals; bloom in almost any situation, grow well in pots, and may be placed in a rockery. Sow in the open ground where the plants are to flower. Do not bear transplanting well except when small.

	Pkt.
Achilleæfolia, lilac; 1½ ft.,	.05
Nivalis, snow white; ¾ ft.,	.05
Tricolor, white, lilac, and purple,	.05
Mixed, all colors,	.05

GLAUCIUM.

Effective border plants, popularly called Horn-Poppies, and among the prettiest of our white-foliaged plants; their elegantly indented glaucous green leaves make them attractive at all seasons. Sow very early in Spring under glass.

	Pkt.
Fine mixed,	.10

GODETIA.



A very desirable, free-flowering genus, attractive in beds, mixed borders, and ribbons.

	Pkt.
Alba, pure white; 1½ ft.,	.05
Lady Albemarle, intense carmine crimson, compact habit, very beautiful; 1 ft.,	.15
Lindleyana, fl. pl., purple; 1½ ft.,	.05
The Bride, white, with a rich carmine center; 1½ ft.,	.05
Whitneyii, pearly satin white; 1½ ft.,	.05
Fine mixed,	.05

GOLDEN FEATHER (Pyrethrum.)

One of the most valuable little plants for edgings to beds, its dwarf habit and bright golden leaves making it extremely attractive for this purpose. To keep it dwarf and compact do not allow it to flower but pick off the buds as they appear.

	Pkt.
Pyrethrum aureum, golden foliage; ½ ft.,	.10
— — **laciniatus**, deeply cut golden foliage; ½ ft.,	.15

GRAMMANTHES.

Beautiful miniature plants for rock-work or rustic baskets, yielding a profusion of star-shaped flowers.

	Pkt.
Gentianoides, rich orange scarlet; ¼ ft.,	.15

GYPSOPHILA.



A pretty, free-flowering, elegant little plant, best adapted for rustic rock-work, baskets, and edgings, succeeding in any garden soil. The *G. Paniculata* is a very valuable plant for cut flowers and for drying as an everlasting; popularly known as "Baby's Breath;" indispensable to florists and bee-keepers.

	Pkt.
Elegans, white and pink, fine for table bouquets; 1½ ft.,	.10
Muralis, a charming little plant, covered with red flowers, which contrast beautifully with its graceful foliage; ¼ ft.,	.10
Paniculata, white, perennial, flowers first season and continues to bloom several years,	.10

HELIANTHUS (Sunflower).



A well-known genus of the most showy plants, remarkable for their stately growth and the brilliancy and size of their flowers.

	Pkt.
Agrophyllus, yellow, double; leaves silky white; 5 ft.,	.05
Californicus, orange, extra large, and double, from California; 5 ft.,	.05

HELIANTHUS — Continued.

	Pkt.
Globulus fistulosus fl. pl., saffron, very double, the finest of all; 4 ft.,	.10
Russian mammoth, very large, single,	.05
Nanus folius variegatis, a dwarf variety, with variegated foliage,	.15
Oscar Wilde, a small black-centered variety of great utility as a bedder, and most attractive as a corsage flower,	.15
Fine mixed,	.10

HIBISCUS.

One of the most ornamental, beautiful, and showy plants cultivated; characterized by the size and beautiful color of its flowers.

	Pkt.
Africanus (*African Rose*), cream color, rich brown center; 1½ ft.,	.05

JACOBÆA (Senecio).

A useful and exceedingly showy class of gay-colored, profuse-blooming plants of easy culture; splendid for rock-work or beds.

	Pkt.
Fine mixed double varieties,	.10

KAULFUSSIA.

Pretty little free-flowering plants of a neat, compact growth, exceedingly effective in beds or mixed borders.

	Pkt.
Amelloides, blue, very attractive, ½ ft.,	.05
All colors mixed.	.05

LARKSPUR (Delphinium).



Extremely ornamental plants of great beauty, combining the richest possible variety of brilliant and effective colors, with great duration and profusion of bloom. For large beds on lawns, or masses and mixed flower-borders, also for cut flowers, the taller growing varieties

LARKSPUR — Continued.

are the most desirable. Seed should be sown very early in Spring. Set the tall growing varieties 18 inches apart, and the dwarf 6 inches. (*For Perennial varieties, see Delphinium*).

	Pkt.
Bismark, a beautiful red-striped variety of great merit; 1 ft.,	.10
Candelabrum, double, mixed; 1½ ft.,	.05
Double dwarf rocket, fine mixed,	.05
Tall rocket, fine mixed,	.05
Emperor, a profuse bloomer, very double, mixed colors, 1 ft.,	.10
Ranunculus-flowered, very double, extra fine; 1 ft.,	.05
Stock-flowered, tall, mixed; 2½ ft.,	.05
Tricolor elegans, rose, white, and blue, very handsome; 2½ ft.,	.05

LEPTOSIPHON.



Of rare beauty both in flower and foliage, exceedingly attractive in beds or ribbons, while the dwarf sorts are well adapted for rock-work or edgings. The colors are blue, white, lilac, purple, and orange. The plants grow from 6 inches to a foot in height.

	Pkt.
Hybridus, all colors, mixed,	.10

LINUM.



One of the most effective and showy bedding plants we have; habit of growth is slender and delicate like all the flax family.

	Pkt.
Grandiflorum rubrum, rich scarlet-crimson, with dark black center; 1 ft.,	.05
Luteum corymbosum, straw color; 1½ ft.,	.10

LOBELIA.



Exceedingly pretty, profuse-blooming plants of great value and importance to the flower garden. The low-growing kinds make the most beautiful edgings. All the varieties of *L. erinus* are valuable for hanging-baskets, rustic-work, or vases, over the edges of which they droop in the most graceful and elegant manner.

	Pkt.
Erinus, deep blue; ½ ft.,	.10
— **alba,** pure white; ½ ft.,	.10
— **erecta bicolor,** compact, bushy habit, with erect branches, giving the plant almost the shape of a ball, flowers white and blue,	.10
Paxtoniana, pure white, with sky blue belt; ½ ft.,	.10
Gracilis, celestial blue; ½ ft.,	.10
Ramosa (*heterophylla*), deep blue,	.10
Speciosa (*Crystal Palace variety*), deep blue, extremely beautiful; ½ ft.,	.10
Perennial varieties. These are conspicuously beautiful border plants, the richness of color rendering them remarkably striking; must be started very early in heat to bloom first season:	
Cardinalis, brilliant scarlet,	.10
Queen Victoria, dark mulberry foliage, deep scarlet flowers; 2 ft.	.25

LAVATERA.

Free-flowering handsome genus, exceedingly effective when used as a background to other plants, and splendid for mixed beds and borders.

	Pkt.
Rose and white, mixed; 3 ft.,	.05

LYCHNIS.

A genus of handsome and highly ornamental plants, of easy culture; strikingly effective in mixed flower and shrubbery borders; good rich soil. To obtain flowers the first season seeds must be sown in heat early and transplanted when the weather is warm.

	Pkt.
Haageana, bright scarlet; splendid,	.10
— **hybrida,** various shades,	.10
Fulgens, brilliant scarlet,	.10

LUPINUS.



A splendid genus of ornamental, beautiful, and free-flowering garden plants, with long, graceful spikes of pea-shaped blossoms; colors rich and varied, mostly blue, yellow, and white. Sow where the plants are to flower, as they do not bear transplanting well.

	Pkt.
Affinis, blue, white, and purple; ½ ft.,	.05
Albo-coccineus, rich rosy-red halfway of the spike, from thence to the apex pure white; 1 ft.,	.10
Cruikshankii, blue; white, and yellow; 3 ft.,	.05
Mutabilis, changeable colors; 2 ft.,	.05
Mixed varieties,	.05

LIMNANTHES.

Easily grown, free-flowering, slightly fragrant plants, excellent for beds or edgings in damp shady places; splendid plant for bees.

	Pkt.
Mixed colors; ½ ft.,	.05

MALVA, or MALLOW.



Showy and free-flowering border plants, succeeding in any common garden soil.

	Pkt.
Zebrina, white and purple, striped, very showy; 2½ ft.,	.05
Crispa (*Curled Mallow*), ornamental foliage, tall,	.05

MALOPE.

Handsome plants, of a branching habit, producing their large flowers in great profusion; very effective in mixed borders; succeed in common garden soil.

	Pkt.
Grandiflora purpurea, purple; 2 ft.,	.05
— — **alba**, white; 2 ft.,	.05

MARIGOLD. (Tagetes, Calendula.)



Well-known, free-flowering plants, with handsome double flowers, of rich and beautiful colors. The African is the most striking in large beds, or mixed borders.

	Pkt.
African, lemon; 2 ft.,	.05
— **orange**; 2 ft.,	.05
French Dwarf, golden striped; 1 ft.,	.05
— **tall**, striped; 1½ ft.,	.05
— **Cloth of Gold**, bright gold bars on dark velvety petals; 1½ ft.,	.15
Compact French, gold striped; magnificent yellow flowers, striped with chestnut-brown, very desirable,	.15
Signata pumila, brown and yellow, very compact grower; 1 ft.,	.10
Meteor (*Calendula, or Pot Marigold*), perfectly double and beautifully striped, the petals having a creamy center edged with orange-yellow,	.10
Calendula (*Prince of Orange*), a splendid variety of the above, with large double dark-orange flowers, a very profuse and constant bloomer, and highly recommended,	.10

MARTYNIA.

Handsome, free-flowering plants, producing a fine effect when planted in the open border; flowers as large and handsome as *Gloxinias*, succeeded by curious double-horned fruit. Set plants 2 feet apart.

	Pkt.
Mixed colors; 1½ ft.,	.10

MATHIOLA (Night-scented Stock).

The delicious rich perfume emitted by the flowers of this plant, in the afternoon, evening, and after a shower, is truly delightful and perceptible some distance off.

	Pkt.
Bicornis, pink and lilac; 1 ft.,	.10

MATRICARIA (Feverfew).

Handsome, free-flowering, ornamental plants, fine for bedding or pot-culture.

	Pkt.
Capensis, dwarf, double, white, very fine; ¾ ft.,	.10
Eximia grandiflora, an improved pure white variety, very double,	.15
— **nana, fl. pl.**, a dwarf variety, with double white flowers, useful for bouquets,	.15

MESEMBRYANTHEMUM.



A brilliant and profuse-flowering tribe of dwarf-growing plants, effective in beds, edgings, rock-work, rustic baskets, or vases, in warm, sunny situations; fine for pot culture.

	Pkt.
Pomeridianum, pale yellow; ¾ ft.,	.05
Crystallinum (*Ice Plant*), prized for its peculiar glistening foliage, white,	.10
Tricolor (*Dew Plant*), rose, purple center; ¼ ft.,	.05
Fine mixed, all colors,	.10

MOLUCELLA (Molucca Balm).

A singular plant, with square stems spreading and curling upward like the arms of a candelabrum, which end in tufts of bright leaves and tiny cups of pea-green color, veined with whitish-green; within the calyx a button-shaped bud appears, which unfolds into a flower formed like a shell, of a white and purple color, very curious.

	Pkt.
Lævis (*Shell Flower*); 1 ft.,	.15

MIGNONETTE.



A well-known fragrant favorite, which produces a pleasing contrast to the more showy occupants of the parterre; if well thinned out immediately the plants are large enough, they will grow stronger, and produce larger spikes of bloom. Excellent for pot culture, and for cutting.

	Pkt.
Golden Queen, a distinct and attractive variety, with large spikes of golden-yellow blossoms,	.15
Miles' Hybrid Spiral, a robust profuse-blooming variety, and very fragrant, splendid for pot culture,	.15
Parson's White, a distinct, delightfully fragrant variety, highly recommended,	.10
New Giant, a recent introduction of marked improvement, a rapid compact grower, yielding a profusion of immense spikes of fragrant flowers; the best variety for bee-keepers and florists' use,	.15
Pyramidal large-flowered, a robust variety, of an orange-red color,	.10
Sweet, the old favorite,	.05
The Prize, highly recommended on account of beauty of color, size of flower, and delicious fragrance,	.15

MARVEL OF PERU (Mirabilis).

Few plants combine so much beauty both of foliage and flowers, as this handsome genus; the roots may be preserved through the Winter. The flowers open in the afternoon and are sometimes called *Four-o'clocks*. Sow in the open ground where the plants are to flower; set the plants 2 feet apart.

	Pkt.
Gold striped; 2 ft.,	.05
White, sweet scented; 2 ft.,	.05
Variegated foliage; 2 ft.,	.05
Fine mixed,	.05
Collection of 8 choice varieties,	.50

MOMORDICA.

Trailing plants, with curious and very ornamental foliage; the fruit is of a golden-yellow color, warted, and when ripe, opens, disclosing its seeds and brilliant carmine interior. Planted on rock-work, stumps of trees, etc., and allowed to ramble, the effect is very striking.

	Pkt.
Balsamina (*Balsam Apple*),	.05
Charantia (*Balsam Pear*),	.05

MIMULUS.



The Mimulus, or Monkey Flowers, are a genus of extremely handsome, profuse-flowering plants, with singularly shaped and brilliantly colored flowers; fine conservatory or sitting-room plants, growing splendidly in baskets, vases, etc.

	Pkt.
Cardinalis, scarlet; 1 ft.,	.10
Maculosus, beautifully spotted; 1 ft.,	.10
— **Duplex,** double, tiger spotted,	.25
Moschatus (*Musk*), yellow,	.10
Roezlii, bright yellow, spotted with crimson, fine for bedding; 1 ft.,	.25
Choice mixed,	.25

MYOSOTIS (Forget-me-not).



Charming little plants, very popular, producing their beautiful star-like flowers in great profusion; invaluable for Spring garden decoration. With the exception of *Azorica* (which is an Annual) the Myosotis are Perennials, but will flower the first season if started early in a hot-bed. *M. palustris* (the true "Forget-me-not") is naturally an aquatic plant and should be grown in a shady situation.

	Pkt.
Alpestris nana alba, very dwarf, white; ¼ ft.,	.10
— — **cærulea,** bright blue; ¼ ft.,	.10
— — **rosea,** delicate rose; ¼ ft.,	.10

MYOSOTIS — Continued.

	Pkt.
Azorica, blue, shaded purple; 1 ft.,	.10
— **alba,** pure white; 1 ft.,	.10
Palustris (*Forget-me-not*), blue, with white eye,	.10
Dissitiflora, clear blue, flowers very early, and continues long in bloom; ½ ft.,	.15
Palustris semperflorens, dwarf, a beautiful azure blue, continues in bloom until frost; does well in moist and shady situations,	.25

NASTURTIUM DWARF

(Tropæolum nanum).



The Dwarf improved varieties of Nasturtium are among the most useful and beautiful of garden favorites, for bedding, massing, or ribboning; their close, compact growth, rich colored flowers, and the freedom with which they bloom, all combine to place them in the category of first-class bedding plants; should be grown in rather poor soil. The kinds catalogued are those of most recent introduction and form an assortment of unqualified excellence. Great pains have been taken to have all our varieties true to name, and we recommend them very highly.

	Pkt.
Tom Thumb, Beauty, yellow, flushed with vermilion,	.10
— — **Cærulea rosea,** beautiful peach,	.10
— — **Crimson,**	.10
— — **Crystal Palace Gem,** sulphur, spotted mauve,	.10
— — **Golden King,** golden yellow,	.10
— — **King of Tom Thumbs,** intense scarlet, dark bluish-green foliage,	.10
— — **Ruby King** (*New*), brilliant carmine, very fine,	.10
— — **Empress of India,** splendid new dark-leaved variety, with crimson flowers	.10
— — **King Theodore,** new variety, dark-green foliage, flowers almost black,	.10
— — **Pearl,** creamy white,	.10
— — **Rose,** very desirable,	.10
— — **Scarlet,**	.10
— — **Spotted,**	.10
— — **Yellow,**	.10
— — **Fine mixed,** from above varieties,	.10
— — **Collection** of 12 distinct colors,	.75

NEMESIA.

One of the prettiest, freest blooming, and most interesting of Annual plants; adapted for beds, edgings, rock-work, or pot culture; the growth is compact, and the blossoms so numerous as to entirely hide the foliage. Plant 6 inches apart in beds.

	Pkt.
Finest mixed varieties; ¾ ft., ...	.05

NEMOPHILA.



Charming dwarf-growing Annuals, with neat, compact habit of growth, and colors strikingly beautiful. To secure the greatest perfection, thin to 4 inches apart; the plants will then present a dense mass of flowers.

	Pkt.
Best varieties, mixed, ...	.05

NICOTIANA.

The Nicotianas are a family of ornamental foliaged plants of stately habit,— one of which being the ubiquitous Tobacco Plant. The variety we offer is delightfully fragrant, in fact in this respect few flowers can vie with it.

	Pkt.
Affinis, deliciously scented, large, white, tubular flowers; in full beauty morning and evening,	.25

NIEREMBERGIA.

Charming little plants, which flower profusely during the whole Summer; well adapted for hanging-baskets and edgings.

	Pkt.
Frutescens, lilac, very free-flowering, . .	.10
Gracilis, light blue, fine for groups, . . .	.10

NYCTERINIA.



Neat, compact little plants, covered with pretty, sweet-scented, star-shaped flowers, valuable for edgings, rockeries, stumps, or small beds.

	Pkt.
Capensis, white, with bright yellow center; 6 in.,	.10

NIGELLA (Love-in-a-Mist, or Devil-in-the-Bush).

Compact-growing, free-flowering plants, with curious-looking showy flowers, and finely cut foliage.

	Pkt.
Dwarf, mixed; ¾ ft., ...	.05
Tall, mixed; 1½ ft.;	.05

NOLANA.

An extremely beautiful, free-flowering genus of trailing plants, the flowers resembling the *Convolvulus tricolor*, but softer in color, while some are beautifully penciled; fine for rock-work, hanging-baskets, old stumps, etc. Treat same as for *Portulaca*.

	Pkt.
Mixed varieties, ...	.05

OBELISCARIA.

This is a family of rather coarse-looking plants, but at a distance are showy and effective. It is allied to and very much resembles the well-known wild flower of our meadows, *Rudbeckia hirta* or *Cone Flower*. The blossoms are rich-colored, and have very curious acorn-like centers.

	Pkt.
Pulcherrima, rich crimson, tipped with yellow; 2 ft., ...	.10

OXYURA.

A showy plant, somewhat like a *Chrysanthemum*, with beautifully fringed flowers; produced in great abundance.

	Pkt.
Chrysanthemoides, golden-yellow, edged with white, ...	.05

ŒNOTHERA (Evening Primrose).

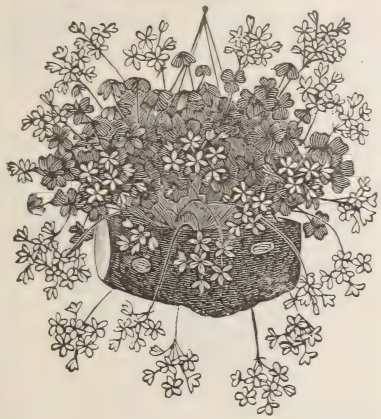
Beautiful, free-blooming plants, with large, silvery-white, golden-yellow, and crimson spotted flowers, very pretty for rock-work or edgings. Sow in the open ground in May, where they are intended to flower, and thin out when they come up.

Pkt.

Acaulis alba, pure white, very beautiful, one or more flowers appearing each evening; very dwarf, ...10

Bistorta Veitchii, yellow and crimson; 1 ft., . .10

OXALIS.



A splendid class of plants, with brilliantly colored flowers and dark foliage, suitable either for greenhouse decoration, rock-work, or rustic baskets out-of-doors.

Pkt.

Rosea, rose-colored, blooms abundantly; ½ ft., . .10

Rosea alba, white, very fine, ...10

Tropæoloides, deep yellow, brown leaves, a very interesting variety, excellent for ribbon, bedding; ½ ft., ...10

PHACELIA.

Pretty Annuals, of the easiest culture in the open ground. They have branched tufted stems, incised leaves, and spikes of blue flowers, which, when in bud, are circinate, like those of the *Heliotrope*. The variety we offer is cultivated for bees, and is excellent for that purpose.

Pkt.

Tanacetifolia, lilac; 2 ft., ...10

PETUNIA.



A highly ornamental, profuse-flowering and easily cultivated garden favorite; effective and beautiful for the decoration of the greenhouse and sitting-room window, while for planting out in beds or mixed borders they are unsurpassed. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable. Sow in Spring either in a cold frame or in a hot-bed, and transplant into the open ground 18 inches apart.

Pkt.

SINGLE VARIETIES.

Countess of Ellesmere, rose, with white throat, very pretty, ...10

Fringed, rich colors, finely fringed, ...25

Green-edged, various shades, bordered with a distinct belt of green, ...25

Hybrida grandiflora, from a celebrated German collection, flowers beautifully blotched, marbled, fringed, and variegated, quality unsurpassed, ...25

Nyctaginiflora, white, fragrant, ...05

Striped, large flowers, beautifully striped and marbled, ...25

Choice mixed, splendid varieties, ...10

Collection of 12 single varieties, ... 1.00

DOUBLE VARIETIES.

The seeds of the double varieties do not possess such high germinative qualities as the single, and must be handled with great care.

Pkt.

New double, this strain is saved from carefully fertilized flowers, and will produce a large percentage of doubles, while such plants as are single are marvels of beauty in colors and markings, ...50

New double fringed, for richness and delicacy of tint this variety is unsurpassed, and yields at least 25 per cent. of plants that never fail to elicit the most unqualified praise, ...50

New dwarf "Inimitable," too much cannot be said in favor of this splendid dwarf variety, seldom exceeding 6 inches either in height or diameter; plants become literally covered with regularly striped flowers, and are exceedingly effective, ...25

Robusta flore pleno, of compact, symmetrical growth, and embracing a wide range of rich colors; so freely are the flowers produced, that a fully developed plant has all the appearance of a made bouquet, ...50

PERILLA.



Amongst ornamental-foliaged plants for flower-garden decoration the Perilla claims attention; its foliage is of a deep mulberry or blackish purple, and forms a fine contrast to the silvery foliage of *Cineraria Maritima*, or the lively green of other plants.

	Pkt.
Nankinensis, leaves deep mulberry or purplish-black; 1½ ft.,	.05
—atropurpurea foliis laciniatis, the foliage regularly fringed and toothed, which gives the plant an exceedingly attractive appearance,	.10

PANSY (Heart's-ease).



This lovely flower, a favorite with everyone, is too well known to need any description. Nothing can be more effective, whether grown

PANSY — Continued.

in beds, ribbons, groups, or interspersed among other plants in the border. It is also admirably adapted for pot-culture, or the decoration of the conservatory during the Winter and Spring months. Start early in March in the house, if no greenhouse is convenient a sunny window will answer. Sow lightly in fine loam, in a box or flower-pot, and transplant when well up. Transplant several times before finally transplanting out of doors. Pinch off the first buds as soon as they appear, and from early Fall until the ground freezes you will have the largest Pansies possible to grow. Seeds sown in a cool place in June, or later, and kept well watered, will produce Fall flowering plants. Sow also in September for Winter flowering. The following collection embraces some of the finest varieties ever offered.

	Pkt.
English Fancy, large flowers, beautifully blotched; very attractive,	.50
English Show. The flowers of this class are one-colored, and embrace many rich and beautiful shades,	.50
Azure blue, very fine,	.15
Trimardeau (*New, very fine*). The flowers are carried well above the foliage, and each one is marked with three large blotches or spots; they are of refined form, and present a notable difference from those of all known races, in being of a size hitherto quite unattained in this genus. The flowers are finely formed, and of the richest shades of color,	.50
Bronze, reddish-brown flowers,	.15
Cliveden, yellow, purple, magpie, and white, mixed; best for bedding,	.15
Emperor William, brilliant blue, with well-defined purple eye, splendid,	.15
Faust, or King of the Blacks, densest black Pansy known,	.15
Gold margined, very showy,	.15
Golden yellow, beautiful,	.15
Mahogany-color, peculiar shade,	.15
Maxima quadricolor, a new and beautiful variety, the remarkable blending of the peculiar colors of which cannot be described, must be seen to be appreciated,	.25
Odier, or five-spotted, a distinctly blotched variety of great beauty,	.25
Snow Queen, a charming, delicate, satiny white, slightly tinged with yellow toward the center; splendid bouquet variety,	.25
Striped or variegated, very showy,	.15
White, appropriate for cemeteries,	.15
Mixed, from above varieties,	.25
Good mixed,	.10
Collection, of 12 distinct varieties,	.75

PORTULACA.

For brilliant, beautiful, and delicate colors this charming genus stands unrivalled, and whether in baskets, small beds, edgings, or rock-work, its large, splendid flowers, produced in the greatest profusion, are extremely effective; succeeds best in light, gravelly soils, or mixed with lime rubbish. It will stand almost

PORTULACA — Continued.

any amount of heat and drought, and revels in our hot, dry climate.

	Pkt.
Alba, pure white; ½ ft.,	.05
Aurea, golden yellow; ½ ft.,	.05
Caryophylloides, finely striped; ½ ft.,	.05
Purpurea, purple; ½ ft.,	.05
Rosea, delicate rose; ½ ft.,	.05
Scarlet, very brilliant; ½ ft.,	.05
Splendens, rich crimson; ½ ft.,	.05
Mixed, from above,	.05
Grandiflora, fl. pl., selected from large double flowers of the most beautiful and brilliant colors, and will produce a large proportion of double flowers of unsurpassed beauty; mixed,	.20
Collection of 8 double varieties,	.75

PHLOX DRUMMONDII.



These flowers are of extreme beauty, and are greatly admired by all; their long duration in bloom, combined with their almost unequaled richness of color, renders them of invaluable service in the general flower garden, and a finer sight than a bed of Phlox Drummondii is rarely to be seen. For early flowering sow in a hot-bed and transplant when the weather is warm; for later flowering sow in the open ground. Set the plants a foot apart.

	Pkt.
Alba, white; 1 ft.,	.10
— oculata, white, with crimson eye; 1 ft.,	.10
Coccinea, deep scarlet; 1 ft.,	.10
Heynholdi, vermilion scarlet; 1 ft.,	.25
— cardinalis, intense scarlet, very beautiful; 1 ft.,	.25
Isabellina, primrose yellow; 1 ft.,	.10
Marmorata violacea, violet, marbled, very desirable; 1 ft.,	.10
Purpurea, deep purple; 1 ft.,	.10
Queen Victoria, violet, with a white eye; 1 ft.	.10
Redowitsky, deep rose, striped with white; 1 ft.	.10
Rosea, bright rose; 1 ft.,	.10
Variabilis, slate blue, marbled; 1 ft.,	.10
Grandiflora, an improved variety, with unusually large flowers of great substance; mixed colors,	.10
Fine mixed,	.05
Collection of 12 distinct varieties,	.75

POPPY.



A genus of showy, free-flowering plants, producing a rich effective display in large mixed borders, or select plantations.

ANNUAL VARIETIES.

	Pkt.
Carnation, double mixed; 2 ft.,	.05
French, or Ranunculus, double; 2 ft.,	.05
Pæony-flowered, double; 2 ft.,	.05
Somniferum (*Opium*), white,	.05
Umbrosum, immense flowers of a brilliant crimson, with a large black blotch at the base of each petal, very showy; 1½ ft.,	.15
Danebrog, a new single Poppy, of a brilliant scarlet color, bearing on each of the four large petals a large silvery white spot,	.10
Collection, of 12 double varieties,	.50

PERENNIAL VARIETIES.

The Perennial Poppies, as a rule, flower the second season. The undernoted will flower the first season if sown very early.

	Pkt.
Alpinum, charming; chamois, cinnabar, and white, mixed,	.25
Nudicaule, yellow,	.05
Croceum, orange; 1 ft.,	.10

RICINUS (Castor Oil Plant).

A magnificent and highly ornamental genus; the picturesque foliage and stately growth, combined with brilliant-colored fruit of the giant varieties, impart to select plantations, shrubberies, and mixed flower borders quite an oriental aspect. Grown as single specimens on lawns and pleasure-grounds, they form a striking feature. Plant the seeds as soon as the ground is warm in Spring.

	Pkt.
Africanus albidus, new, white fruited, stem and leaves silvery; 8 ft.,	.10
Borboniensis arboreus, very large and showy foliage; 15 ft.,	.10
Braziliensis, dark green fruit; 10 ft.,	.10
Communis (*Palma Christi; Castor Oil Plant*); 6 ft.,	.05
Giganteus, large and showy; 10 ft.,	.10
Macrocarpus, light green; 8 ft.,	.10
— nanus, dwarf, for grouping; 3 ft.,	.10
Sanguineus (*Obermanii*), splendid red fruit in clusters, very ornamental, producing a grand effect; 10 ft.,	.10
Philippinensis, gigantic foliage; 10 ft.,	.10
Fine mixed varieties,	.10

SALPIGLOSSIS.



Ornamental and useful plants for Autumn decoration; their curiously penciled and marbled funnel-shaped flowers produce a fine effect in beds, borders, edgings, and ribbons. Sow under glass and transplant into the open ground as early as weather will permit. May also be sown about the end of May for later flowering.

	Pkt.
Choice mixed, tall; 2 ft.,	.10
Dwarf varieties; 1 ft.,	.10

SALVIA (Flowering Sage).

Magnificent bedding-plants, loaded with spikes of scarlet flowers, from July till October. Start in a hot-bed and transplant.

	Pkt.
Cocinea, fiery scarlet; 2 ft.,	.10
— **nana compacta**, dwarf, brilliant scarlet; ¾ ft.,	.10
— **punicea**, new dwarf, scarlet; 1 ft.,	.10
Rœmeriana, crimson dwarf, very pretty; 1 ft.,	.10
Patens, splendid deep blue; this variety is a perennial and must be sown very early to bloom first season; 3 ft.,	.15

SANVITALIA.



Pretty, dwarf-growing, free-flowering plants, blooming all Summer.

	Pkt.
Procumbens, rich brown and yellow; ½ ft.,	.10
— **fl. pl.**, a double variety of above, a profuse bloomer,	.10

SAPONARIA.

Charming little plants, flowering all the season; splendid for beds or ribbon borders.

	Pkt.
Calabrica, deep pink; ½ ft.,	.05
— **alba**, very pretty; ½ ft.,	.05

SCHIZOPETALON.

A most interesting little plant, with delicately fringed pure white flowers, deliciously fragrant, valuable for bouquets.

	Pkt.
Walkeri, white, almond scented; ½ ft.,	.10

SCABIOSA, or MOURNING BRIDE.



Handsome showy plants for mixed borders, flowers beautifully variegated. Sow either under glass or in the open ground. Like the *Antirrhinum* it sometimes flowers the second season if not too much weakened by over-flowering the first year.

	Pkt.
Candidissima plena, double, white, useful for florists: 1 ft.,	.10
Major atropurpurea, velvety dark-purple; 2 ft.,	.05
Nana, fl. pl., double, brilliant colors, mixed; 1 ft.,	.05

SPHENOGYNE.

A free flowering plant, from South America; useful for beds, borders, or edgings.

	Pkt.
Speciosa, yellow; 1 ft.,	.05

SILENE.

Ornamental, free-flowering plants, with bright and beautifully colored flowers. Will succeed well in almost any soil.

	Pkt.
Pendula, rosy purple,	.05
— **alba**, white; 1 ft.,	.05
— **ruberrima** rosy, lilac, dark foliage,	.05
Pseudo atocion, rosy pink; 1 ft.,	.05
Fine mixed varieties,	.05

SENSITIVE PLANT (Mimosa).

Very curious and interesting plant, its leaves closing if touched or shaken. Thrives best in the parlor or greenhouse. For the open ground, start under glass and transplant when the weather is warm.

	Pkt.
Sensitive Plant, pinkish white; 1½ ft.,	.05

SCHIZANTHUS.

Few plants are more attractive than these when well grown, whether in pots or in the border; they are of a branching, elegant habit, and well covered, with peculiar-shaped flowers. Start in heat and set out when the ground is warm.

	Pkt.
Mixed, best varieties,	.10

SEDUM (Stonecrop).



Pretty little plants, growing freely on rock or rustic work; also on ornamental mounds, etc., where they flower in great profusion.

	Pkt.
Cœruleum, blue; ¼ ft.,	.10
Fine mixed,	.20

SPRAGUEA.

A charming plant, with Amaranthus-like flowers; extremely graceful and beautiful; very effective as an edging, or for rock-work. Start either in heat or as early as possible in a sheltered situation.

	Pkt.
Umbellata, white, shaded and spotted purple; ¾ ft.,	.25

STEVIA.

A useful plant, either for pot-culture or the border.

	Pkt.
Lindleyana, reddish white,	.10
Purpurea, purple,	.05

STOCKS.

The Stock, or Gilly-flower, is one of the most popular, beautiful, and important of our garden favorites, and whether for bedding, massing, edging, ribboning, or pot culture, it is unsurpassed either for brilliancy and diversity of color, or profusion and duration of bloom, and this combined with its spicy fragrance renders it an object of universal admiration. Seeds may be sown in a hot-bed or cold frame, or in the open ground in May; will transplant easily when small; set plants twelve inches apart in deep rich soil. We offer only the very best imported seed saved from one of the finest collections in the world.

	Pkt.
German dwarf, ten week, brightest colors, mixed; 1¼ ft.,	.10
— **large-flowering,** bright crimson; 1½ ft.,	.15
— — **canary yellow;** 1¼ ft.,	.15
— — **pure white;** 1¼ ft.,	.15
— — **mixed varieties,** extra fine,	.20
— — **Collection** of 12 distinct colors,	.75
Pyramidal, splendid colors mixed,	.15
Tree or giant, many colors mixed,	.15
Wall-flower-leaved, pure white, extra fine, very desirable for bouquets,	.20
— **finest mixed colors,**	.20
— **Collection** of 6 distinct colors, wall-flower-leaved,	.75

STATICE.

Exceedingly interesting plants, of easy culture. They are all very free-flowering, and remain a long time in bloom; the flowers are valuable for Winter bouquets.

	Pkt.
Bonduelli, golden yellow; 1½ ft.,	.10
Sinuata hybrida, fine mixed; 1 ft.,	.10
Spicata, emerald-green foliage, rosy-pink flowers; 1 ft.,	.10

TRIFOLIUM (Sweet-scented Clover).

Very pretty, and of easy culture

	Pkt.
Sauveolens, white; 2 ft.,	.05

VALERIAN.

Showy plants for mixed borders or shubberies, bearing large corymbs of bright flowers. Thrives well in ordinary garden soil, and bears shade and moisture well. Start the seed early and transplant.

	Pkt.
All colors, mixed,	.05

VERONICA.

Showy plants for pot-culture, rock-work or the open border; they require but little attention, as they grow with the greatest facility, and are readily increased by partition of the roots.

	Pkt.
Syriaca, bright blue and white; ½ ft.,	.10
— **alba,** white; ½ ft.,	.15

VERBENA.



The Verbena is one of the most effective bedding plants in cultivation, unrivaled in the splendor of its dazzling brilliancy of flower; of very neat habit, a constant bloomer, and if grown from seed has a sweet fragrance. Seeds sown in the open ground in May will flower in August; but if raised in a hot-bed in March or April and transplanted when 4 inches high, will show flower in June or July.

	Pkt.
Hybrida auriculaflorae, choice mixed varieties, with white center,	.25
— **candidissima**, immense trusses of pure white flowers,	.25
— **cœrulea**, beautiful blue, constant,	.25
— **Defiance**, beautiful rich scarlet,	.25
— **Italian striped**, mixed,	.25
— **choice mixed**,	.25
— **fine mixed**,	.10
Aubletia, reddish purple,	.05
Montana, a perfect gem; the plant literally covers itself during the Summer with its bright rose-colored flowers; perfectly hardy,	.15
Teucroides odorata, fine white, fragrant,	.10
Venosa, violet purple, good bedding plant, trailer,	.05

VISCARIA.



Pretty, profuse-flowering plants, for beds, ribbons, or mixed borders; they do best in an extremely light soil, liberally mixed with old mortar, powdered bricks, or similar substance.

	Pkt.
Mixed colors; 1¼ ft.,	.10

VIRGINIAN STOCK.

Extremely pretty, profuse-flowering little plants, effective in small beds, baskets, or as edgings; they grow freely anywhere, and if sown early in February, they generally bloom in April or May. For Summer flowering, sow the seeds in May or June.

	Pkt.
Red and white, mixed,	.05

WHITLAVIA.



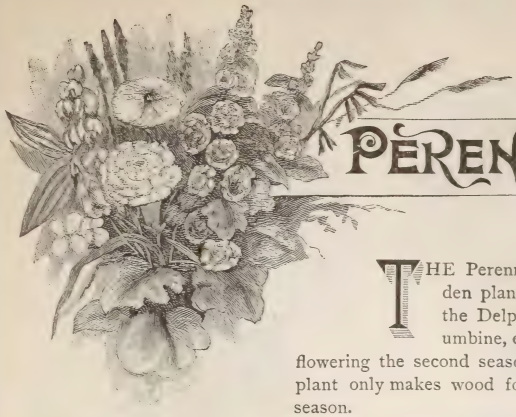
One of the most charming Californian introductions; has bell-shaped flowers which are quite freely produced from June to October. Grows best in light sandy loam; very effective for bedding, ribboning, or mixed borders.

	Pkt.
Grandiflora, violet blue; 1 ft.,	.05
— **alba**, pure white; 1 ft.,	.05
Gloxinioides, tube of corolla pure white, lines of a delicate light blue,	.05

ZINNIA.

The double Zinnia is one of the sterling novelties of recent years. The flowers are large, beautifully formed, and exceedingly handsome. Few plants in the flower border are more effective; and scarcely any flower, when cut, is more suitable for table bouquets; being of rather robust habit, it requires but moderately rich soil; the seed may be sown in the open ground or in heat, according to the time it is desired to flower.

	Pkt.
Elegans, fl. pl. alba, pure white,	10
— **finest double varieties**, mixed,	.10
— **Collection** of 8 distinct varieties, comprising all shades of scarlet, yellow, orange, purple, salmon, white, etc.,	.60
—**nana alba fl. pl.** This splendid novelty supplies a long felt want in the shape of a thoroughly good miniature flowered dwarf white Zinnia, which, for florists' use, must be invaluable. It is compact in habit, while in color, form, and size of flower it is simply perfection,	.15



PERENNIALS

THE Perennials include some of the best garden plants, most of them old favorites like the Delphinium, Foxglove, Hollyhock, Columbine, etc. Our list contains all the sorts flowering the second season from seed. The first year the plant only makes wood for the perfect plant the following season.

As a rule, Perennials are sown at same time as the Annuals; but some of them may also be sown in August or September, or as soon as the seeds are ripe, and if the plants become sufficiently strong before the Winter sets in, they will flower the following Summer. When the seedlings are well rooted, remove from the seed-bed to the border or different parts of the garden and set one foot or more apart. In transplanting, care should be taken to preserve some earth to the roots. Tie the tall growing kinds to neat plant sticks, and keep the beds free from weeds; remove all decayed plants, and replace with vigorous ones from the seed bed.

ADONIS.

A first-rate early Spring flowering plant for the border. Seeds may be sown in Spring in the open ground.

	Pkt.
Vernalis, yellow; ¾ ft.,	.10

AGROSTEMMA (Rose Campion).



A showy border plant with red and white flowers. Grows very readily from seed; height about eighteen inches.

	Pkt.
Coronaria, red,	.05
— alba, white,	.05

ALLIUM.

This is a showy class of bulbous-rooted plants, quite hardy and easily raised from seed.

	Pkt.
Azureum, very showy heads of azure-blue flowers,	.10
Neapolitanum, pure white, very fine,	.10

ARABIS.

An early Spring-flowering plant, indispensable for rock-work, edgings, etc.

	Pkt.
Alpina, pure white; ¾ ft.,	.10

ASPERULA (Woodruff).

The Woodruff has very pretty sweet-scented flowers, and is a profuse bloomer. Flowers early. Sow in the open ground in Spring.

	Pkt.
Asperula odorato, white; ½ ft.,	10.

AURICULA.



A well-known garden favorite of great beauty, succeeding best in a northern aspect. Sow the seeds in a hot-bed in March, and transplant two or three times before planting out. Protect with an inverted sod during Winter.

	Pkt.
Alpina, various colors, ½ ft.,	.15
English Hybrids, green-edged, etc.; saved from prize flowers; ½ ft.,	.25

ALYSSUM (Gold Dust).

Excellent little plants for rock-work or borders. Sow seed where wanted to bloom; thin out to one foot apart.

	Pkt.
Saxatile Compactum, deep golden yellow; ½ ft.,	.10
Wierzbecki, white and yellow mixed; ½ ft , .	.05

ANEMONE (Wind Flower).



The single varieties of this beautiful Spring flower grow very readily from seed and make a beautiful display of handsome flowers until frost. The *Anemone fulgens* is the most dazzling and beautiful of all. The flowers are a brilliant scarlet and freely produced. Sow seed in frame; transplant in deep rich soil eighteen inches apart.

	Pkt.
Fulgens, scarlet, splendid; 1 ft., ...	.25
Japonica, red and white mixed; 2 ft., . . .	.10

AUBRIETIA.

A charming early free-flowering plant, sometimes called *Blue Alyssum;* indispensable for edgings, rock-work, or small beds.

	Pkt.
Graeca, dwarf, blue; ¼ ft., ...	.10

AQUILEGIA (Columbine).



A class of highly ornamental plants, combining at once flowers the most curious in form with colors the most striking and beautiful. Sow seed in open ground or frame; transplant one foot apart.

	Pkt.
Californica hybrida, a new variety, center petals golden-yellow, sepals and spurs deep orange-red; 2 ft., ...	.25
Chrysantha, golden yellow; 2 ft., ...	.10
Caryophylloides, double, splendid striped varieties; 2 ft., ...	.05
Cœrulea hybrida, violet, blue, and yellow, fine; 2 ft., ...	.15
Glandulosa, blue, tipped white; 1½ ft., . . .	.10
Skinnerii, scarlet and yellow; 1½ ft., . . .	.10
Finest mixed, ...	.10

BOCCONIA.

Ornamental foliage plants, exceedingly effective as single specimens on lawns or in borders.

	Pkt.
Japonica, produces racemes of bloom from 2 to 3 feet long, ...	.10

CERASTIUM (Snow in Summer).

Silvery-foliaged plants, admirably adapted for edgings, rock-work, etc.

	Pkt.
Biebersteinii, silvery foliage; ¼ ft., . . .	.10
Tomentosum, similar to the preceding, but smaller foliage; ¼ ft., ...	.10

COWSLIP.

Free-flowering plants, should be extensively grown for filling the beds and borders of the Spring flower-garden; succeed best in rich soil.

	Pkt.
Fine mixed varieties; ¾ ft., ...	.10

CRUCIANELLA.

A very pretty little plant with pink flowers; very desirable for borders or rock-work.

	Pkt.
Stylosa, pink; 1 ft., ...	.05

CAMPANULA (Canterbury Bells).



One of the most attractive of border plants; they succeed in light, rich soil, and should be transplanted two feet apart.

	Pkt.
Media double blue; 2½ ft.,	.10
— — **rose;** 2½ ft.,	.10
— — **white;** 2½ ft.,	.15
— — **mixed;** 2½ ft.,	.10
— **single blue;** 2½ ft.,	.05
— — **white;** 2½ ft.,	.05
— — **mixed;** 2½ ft.,	.05
Calycanthema, rich blue; 2½ ft.,	.15
— **alba,** pure white; 2½ ft.,	.15
Carpatica, mauve; 1 ft.,	.05
— **alba,** pure white; 3 ft.,	.05
Pyramidalis, blue, handsome; 3 ft.,	.05
Best mixed varieties,	.10

CARNATION.



A magnificent class of popular favorites, most of which are deliciously fragrant, and with colors extremely rich and beautiful. The seed we offer is from the finest collection in Europe, and will produce many double flowers, and amongst them many choice novelties.

CARNATION — Continued.

	Pkt.
Carnation, saved from choicest double flowers, very select; 1¼ ft.,	.50
Fine German, from named flowers,	.25
Good Mixed, for border culture,	.15
Perpetual, or Tree, saved from choicest double flowers,	.50
Dwarf double early flowering, a distinct variety, of compact bushy habit; 1 ft.,	.25
Grenadin, a new early variety of great promise, furnishing a profusion of scarlet double flowers of great brilliancy, unsurpassed for florists' use,	.25

CHELONE.

Beautiful plants, with showy Penstemon-like flowers, very effective in centers of beds, or groups in mixed borders; thrives in any rich soil.

	Pkt.
Chelone barbata, scarlet; 3 ft.,	.05

DELPHINIUM (Perennial Larkspur).



Plants remarkable for their great beauty, diversity of shades, and highly decorative qualities. They differ greatly in habit of growth, some producing magnificent spikes of flowers, while others are dwarf and completely covered with bloom.

(*For Annual varieties, see Larkspur.*)

	Pkt.
Cœlestinum, blue; 2¼ ft.,	.10
Elatum (*Bee Larkspur*), blue; 5 ft.,	.05
Formosum, rich dark blue, with white center; 2½ ft.,	.10
Hybridum fl. pl., double, mixed,	.10
Nudicaule, varying in color from light scarlet to a shade verging on crimson; very brilliant; 1½ ft.,	.25

DICTAMNUS.

Very ornamental plants, worthy of a place in every flower-border. Grow well in ordinary garden soil. Sweet-scented, excellent for bees.

	Pkt.
Fraxinella, purple, leaves lemon-scented when crushed; 2 ft.,	.05

DIGITALIS (Foxglove).



Exceedingly showy plants for shrubberies and other half-shady places.

	Pkt.
Alba, pure white; 3 ft.,	.05
Lutea, golden yellow; 3 ft.,	.05
Purpurea, purple, spotted; 3 ft.,	.05
Gloxiniæflora, splendid large-flowered variety, brilliant colors, mixed; 4 ft.,	.10

FRENCH HONEYSUCKLE (Hedysarum).

Very handsome plants, producing racemes of beautiful, pea-like flowers; particularly adapted for borders or rock-work. Sow in open border in Spring.

	Pkt.
Coronarium, brilliant scarlet; 4 ft.,	.05
— **fl. alba,** true, white; 4 ft.,	.05

HONESTY (Lunaria).

Free-flowering plants, with silvery seed-pods, much admired for Winter decoration with ornamental grasses.

	Pkt.
Biennis, purple, very showy; 2 ft.,	.05

HOLLYHOCK.



This splendid plant now ranks with the Dahlia for Autumn decoration, and from its stately growth and the varied colors of its magnificent spikes of flowers, may justly demand a place in every garden. Height four feet.

	Pkt.
Choice mixed, saved from Chater's prize varieties,	.25
Fine mixed,	.10
White, double, valuable for florists,	.25
Collection of 12 distinct colors, saved from Chater's prize varieties,	1.50

IBERIS (Perennial Candytuft).

Profuse-blooming pretty little plants, for rockeries, old stumps, or rustic baskets; flower amongst the earliest Spring plants, and for a long time continue a dense mass of beauty.

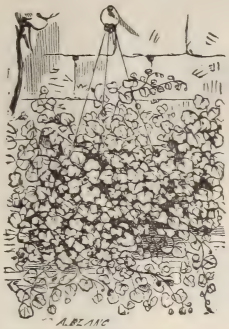
	Pkt.
Sempervirens, pure white; ½ ft.,	.05
Pruiti, dwarf, very early, pure white,	.15

IPOMOPSIS.

Quite a handsome plant, with fine, feathery foliage, and long spikes of beautiful flowers, desirable for out-door and conservatory. Sow the seed in August in a dry situation; if the ground be at all wet the plants will decay.

	Pkt.
Elegans (*Tree Cypress*), mixed; 3 ft.,	.05

KENILWORTH IVY (Linaria).



Admirably adapted for culture in baskets, pots, or vases, and for rock-work it is unsurpassed.

	Pkt.
Cymballaria, lilac; ¾ ft.,	.15

LYCHNIS.

Plants producing brilliant blossoms, in clusters, constantly coming out all Summer. Sow the seed in rich, loamy soil, under glass; plant out in May, one foot apart.

	Pkt.
Chalcedonica, bright scarlet; 2 ft.,	.05
— alba, white,	.05

PENTSTEMON.

Herbaceous plants, with bell-shaped flowers borne in racemes or spikes. They are splendid bedding plants and will live out of doors with but little protection. Sow in the open ground and transplant when three or four inches high.

	Pkt.
Very choice mixed, saved from a collection of the finest named sorts; 2 to 3 ft.,	.10

PHLOX PERENNIAL.

One of the finest herbaceous plants for beds or mixed borders. The seed offered is saved from the newest and best varieties.

	Pkt.
Perennial, finest hybrid; 1½ ft.,	.25
Fine mixed,	.10

PICOTEE.

Well known plants of great beauty, combining with the most perfect form the richest colors. They have a delicate perfume, and are easily cultivated; half-hardy.

	Pkt.
Choice varieties; 1½ ft.,	.50
German mixed, double,	.25
Good mixed, fine border varieties,	.10

PINK.

A highly valued plant, of great beauty, easy culture, and accommodating habit, growing freely, and flowering profusely, either in the greenhouse or in the open border.

	Pkt.
Florists' or Paisley, from the finest named varieties. Flowers with white ground, beautifully blotched and edged with different shades of purple,	.25

POLYANTHUS.

Splendid Spring-flowering plants, either for pot-culture or the open border.

	Pkt.
Mixed (*Primula elatior*), fine border varieties, ¾ ft.,	.10
Splendid mixed, extra choice; ¾ ft.,	.25

POPPY.

The Perennial Poppies are showy herbaceous plants for the open border. Quite hardy and easily grown. Sow the seed where the plants are to flower.

	Pkt.
Bracteatum, scarlet, with black spot at base of each petal; 3 ft.,	.05
Croceum, orange; 1 ft.,	.05
Orientale, large red; 3 ft.,	.05

POTENTILLA.

Handsome herbaceous plants, exceedingly ornamental in mixed flower borders, lasting a long time in bloom.

	Pkt.
Double, choice varieties, mixed; 1 ft.,	.15
Single, finest mixed; 1½ ft.,	.10

PRIMROSE.



One of the earliest Spring flowers, unexcelled for brilliant effect, whether employed to brighten the flower garden, decorate rockeries, or semi-wild locations.

	Pkt.
Choice mixed; ¾ ft.,	.25

PYRETHRUM.

Highly ornamental plants, producing a fine effect in mixed flower and shrubbery borders.

	Pkt.
Atrosanguineum, dark red, showy; 2 ft.,	.10
Carneum, flesh color; 2 ft.,	.10
Double, white; 2 ft.,	.10
Hybrida fl. pl., double varieties, mixed,	.25
Roseum, light red; 2 ft.,	.10

ROCKET (Sweet Hesperis).

Spring flowering, profuse-blooming plants, with deliciously fragrant flowers, growing freely in any light rich soil; unlike most plants, they do better if transplanted every second season.

	Pkt.
Purple; 1½ ft.,	.05
White; 1½ ft.,	.05
Mixed; 1½ ft.,	.05

SWEET WILLIAM
(Dianthus Barbatus).



For display in the garden, the Sweet William is unsurpassed. Sow seed in Spring for Summer flowering, in August for Spring flowering; will bloom several years, but young plants flower best, and seed should be sown every year; hardy; height eighteen inches.

	Pkt.
Single, all colors mixed,	.05
Auricula-eyed,	.05
Double white,	.10

SWEET VIOLET.

Well-known plants, suitable for edgings, groups, or mixed borders, and much in demand on account of their pleasing fragrance and profusion of bloom, which lasts from early Spring throughout the Summer months.

	Pkt.
Odorata semperflorens, sweet-scented violet; ½ ft.,	.25
— **The Czar,** light violet, large and fine,	.25

STOCKS.



BIENNIAL AND PERENNIAL VARIETIES.

Intermediate Stocks are prized on account of their flowering late in Autumn; also as pot plants for early Spring blooming, for which purpose sow the seed in July or August.

	Pkt.
Intermediate, purple; 1 ft.,	.15
— **scarlet;** 1 ft.,	.15
— **white;** 1 ft.,	.15
— **wall-flower-leaved,** snow-white, a great improvement in this class, bearing immense pure white flowers,	.25
— **Collection** of 8 distinct colors,	.60

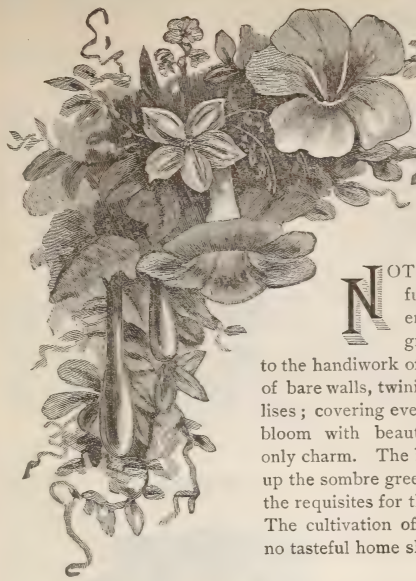
The undernoted may be treated in the same manner as the Intermediate, and will last several years if protected from the frost. The Brompton is a Biennial of branching habit, producing a grand display when in bloom.

	Pkt.
Brompton, purple; 2 ft.,	.15
— **scarlet,** 2 ft.,	.15
— **white,** 2 ft,	.20
— **mixed,**	.15
Emperor or perpetual, new large-flowering mixed; 1½ ft.,	.15
— **Collection** of 6 distinct colors,	.50
Hardy's all the year round. This variety produces fine spikes of double white flowers from January to December. The plants grow about 12 inches high, and, if plenty of room is given, 3 feet through; and will produce hundreds of blooms, fully 75 per cent. of which will be double,	.25

WALL-FLOWER.

This deliciously fragrant flower is invaluable for beds, borders, and bouquets. The conspicuous spikes of the double German varieties have a charming effect, while the more bushy, compact growth and profuse-blooming of the single ones render them exceedingly attractive; half-hardy.

	Pkt.
Finest double, German mixed; 2 ft.,	.25
Harbinger, rich blood-red; 1 ft.,	.25
Single, mixed,	.05



CLIMBERS:

NOTHING can be more delightful than the graceful drapery of the climbing plants covering and embellishing our homes with their beautiful greenery. They add the finishing touch of nature to the handiwork of man,—creeping up and clothing the nakedness of bare walls, twining around and hanging over porches and trellises; covering every unsightly stump or fence and making them bloom with beauty. But their beautiful foliage is not their only charm. The brilliant flowers of many species help to lighten up the sombre green, and the delicious fragrance of others furnish the requisites for the ideal home, "A bower of breathing sweets." The cultivation of Climbing Plants is of the easiest nature, and no tasteful home should be without a few.

ADLUMIA.



A beautiful Perennial climbing plant of graceful habit, with delicate pale-green pinnate foliage somewhat resembling the Columbine or the Maiden Hair Fern. Sow in a shady place in Spring and transplant very carefully in September; flowers freely all Summer; also called "Mountain Fringe" and "Alleghany Vine."

	Pkt.
Cirrhosa, flesh-colored; 15 ft., ...	.10

AMPELOPSIS.

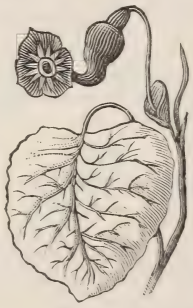
A class of very beautiful climbing plants. The *A. quinquefolia* is the well-known "Virginia Creeper"; a hardy native plant; often called the "American Ivy" and "Woodbine," and is one of the most valuable climbers for covering porches, walls, or trees. The *A. veitchii* is the now famous "Boston Ivy" (also called "Japanese Ivy or Woodbine"), which is so largely used in the decoration of residences in this city. Seed should be started in heat, and transplanted. Hardy Perennial; thirty to fifty feet high.

AMPELOPSIS — Continued.

	Pkt.
Quinquefolia, "Virginia Creeper,"	.10
Veitchii, "Boston Ivy,"	.10

(For plants, see Nursery Department.)

ARISTOLOCHIA (Dutchman's Pipe).



Curious climber, with broad foliage, of a brownish purple, and singular flowers of a yellowish-brown color. It grows from twenty to thirty feet high, and if trained on the piazza or against a house the effect is charming. Hardy Perennial.

	Pkt.
Sipho, ...	.10

(For plants, see Nursery Department.)

BIGNONIA (Trumpet Vine).

Magnificent hardy deciduous climber, with brilliant flowers; deserving a first place as an ornamental and effective covering for walls, houses, etc.. Hardy Perennial.

	Pkt.
Radicans, scarlet; 30 ft.,	.15

BALLOON VINE (Cardiospermum).



Very curious plant, deriving its name from the shape of the seed capsule. Sow the seed in May in the open ground in a sheltered situation. Half-hardy Annual.

	Pkt.
Cardiospermum halicacabum; 6 ft.,	.05

CONVOLVULUS MAJOR (Morning Glory).

A free-flowering class of climbers, ith brilliant and varied-colored flowers, growing freely in almost any situation, and producing a splen. did effect when grown on rock-work, stumps of trees, or banks, and when trained over trellises, rustic work, or against rough fences. Hardy Annuals. Height ten feet.

	Pkt.
White,	.05
Mixed,	.05
Collection of 10 distinct colors,	.50

CLIMBING BEANS (Phaseolus multiflorus).

The Scarlet Runner, and its varieties, is one of our most valuable climbers, and will grow in nearly any soil. Plant the seeds three inches deep, and the same distance apart. Sow in the end of April or May. Height ten feet.

	Pkt.
Scarlet Runner, highly ornamental, producing dazzling scarlet flowers,	.10
White Dutch, the flower and bean both white,	.10

CALAMPELIS.

One of the finest of climbers; has yellow flowers and very pretty foliage. Start the seed early in a hot-bed.

	Pkt.
Scabra, excellent for growing round a pillar or over a vase; 8 ft.,	.10

CLEMATIS (Virgin's Bower).

An old and favorite, hardy, Perennial climber, much improved of late years. May be sown either in Spring or Fall in the open ground. Height ten to fifteen feet.

	Pkt.
Best varieties mixed,	.10

(For plants, see Nursery Department.)

COBÆA.



A magnificent rapid-growing climber, with beautiful foliage and large bell-shaped flowers. The seeds should be planted edgewise in *moist* earth, and water withheld until the young plant appears unless the ground is very dry. This should be attended to carefully as the seeds will rot if watered too freely. Hardy Annual.

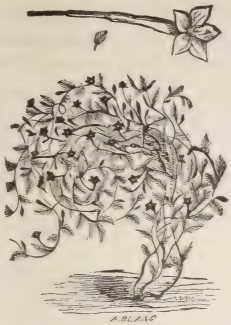
	Pkt.
Scandens, purple lilac; 20 ft.,	.10

DOLICHOS (Hyacinth Bean).

A beautiful class of quick-growing ornamental climbers, producing an abundance of clustered spikes of purple and white flowers, which are followed by exceedingly ornamental seed-pods. Tender Annuals. Height ten feet.

	Pkt.
Lablab, purple,	.05
Alba, white,	.05

IPOMŒA.



Of all climbing flowers in cultivation, this ranks pre-eminent for delicate and intrinsic beauty; the brilliant and varied hues of its many species and varieties are exceedingly beautiful, and its fine foliage and graceful form render it an indispensable ornament for greenhouse, conservatory, or garden decoration. Hardy Annuals.

	Pkt.
Bona Nox (*Evening Glory*), satin rose, large, fragrant blossoms, which expand in the evening; 10 ft.,	.10
Coccinea (*Star Ipomœa*), scarlet, small flowers in great profusion; 8 ft.,	.10
Hederacea superba, ivy-like foliage, very showy, mixed colors; 8 ft.,	.10
Limbata elegantissima, rich bluish-purple center in the form of a star, with broad pure white margin; 10 ft.,	.15
Quamoclit (*Cypress Vine*), flowers and foliage both very beautiful, half-hardy, mixed colors, 10 ft.,	.05
— **scarlet, crimson, white, rose**, each color,	.05
Collection of 10 distinct varieties,	.75

GOURDS (Ornamental).

(Including ornamental Cucurbitacæ.)

The varieties in this collection have been selected either for the ornamental character of their foliage, the singularity or symmetry of their fruit, or the variety and peculiarity of their coloring; some are of very large size and of curious form, while others are miniatures of various forms. The growth is as diversified as the fruit; some are vigorous growers, others slender and delicate. Wherever grown they never fail to excite admiration. Cultivation the same as for squashes or melons. Height six to fifteen feet.

	Pkt.
Cucumis anguria, small yellow fruit, growing in pairs.	.10
— **dipsaceus**, yellow, teasel-like,	.10
— **flexuosus**, Snake Cucumber,	.10
— **medulliferus**, scarlet, thorny,	.10
— **Melo Chito**, variegated, brown and yellow, small oval fruit, very pretty,	.10
— **perennis**, foliage highly ornamental,	.10
Cucurbita argyrosperma, fruits large and finely striped or mottled,	.10
— **digitata**, foliage marbled with white, fruits dark green striped white,	.10
— **leucantha**, long curious fruit,	.10
Gourd, apple-striped, very ornamental,	.10

GOURDS — Continued.

	Pkt.
Gourd, bottle, well-known and very useful,	.10
— — **miniature**, ornamental,	.15
— **dipper**, a favorite variety,	.10
— **egg-shaped**, resembles an egg,	.10
— **gooseberry**, very pretty; 6 ft.,	.10
— **Hercules' club**, large club-shaped; 15 ft.,	.10
— **lemon**, showy; 6 ft.,	.10
— **orange**, well-known sort; 15 ft.,	.10
— **pear-shaped**; 6 ft.,	.10
— **sugar trough**, immense size, holds several gallons,	.10
— **fine mixed**, from a large collection,	.15
— **collection** of 12 distinct varieties,	.60



The following varieties are remarkable for their delicately-cut foliage, and the ornamental character of their flowers and fruit.

	Pkt.
Abobra Viridifolia, small scarlet fruit; 6 ft.,	.10
Byronopsis erythrocarpa, scarlet edged; 5 ft.,	.10
Coccinea indica, elegant foliage; 10 ft.,	.10
Cyclanthera Pedata, curious,	.10
Tricosanthes colubrina, Serpent Cucumber; from 5 to 6 feet in length; when ripe, is of a brilliant carmine; 8 ft.,	.10

LOPHOSPERMUM.



Beautiful vine with large trumpet-shaped flowers; excellent for vases or baskets. Sow seed in frame; transplant to light, rich soil.

	Pkt.
Pink and rose mixed; 10 ft.,	.10

LOASA.

A beautiful climber with yellow and red flowers; very floriferous; succeeds in any good garden soil. Sow seed in frame, transplant where wanted to bloom. Height twenty feet.

	Pkt.
Aurantiaca, bright orange,	.10
Herberti, fine scarlet,	.05
Tricolor, yellow shaded,	.10

MAURANDYA.



Graceful and free-blooming climber with bell-shaped flowers, in shape resembling the *Digitalis;* useful for greenhouse or outdoor culture; fine for baskets or vases. Sow seed in hot-bed; transplant when weather becomes warm. Height five to ten feet.

	Pkt.
Barclayana, blue and white,	.10
— **purpurea grandiflora,** purple,	.10
— **scarlet,**	.10
Finest mixed,	.05

NASTURTIUM, TALL

(Tropæolum majus).



These are fine climbers and very desirable; the green pods are used for pickles. Sow seed in open ground where wanted to bloom; can be transplanted. Height six to ten feet. Hardy Annuals.

NASTURTIUM, TALL — Continued.

	Pkt.
Majus atropurpureum, dark crimson,	.10
— **coccineum,** bright scarlet,	.10
— **luteum,** yellow,	.10
— **regelianum,** purple violet,	.10
— **coerulea roseum,** deep rose,	.10
— **finest colors mixed,**	.05

PASSIFLORA (Passion Flower).



A genus of tender climbers, the flowers of which are at once interesting and beautiful; the two sorts we catalogue are the hardiest. Sow in a hot-bed and transplant when the weather is warm. Height fifteen feet.

	Pkt.
Cœrulea, sky blue,	.15
Gracilis, white,	.15

PEAS, SWEET.

Fragrant and profuse-flowering climbing plants, continuing in blossom throughout the season. The seed should be sown as early as the ground can be worked in the Spring, to enable the vines to get a good strong growth before the warm weather comes. Sow the seed in rows and support the vines with brush, or with strong twine fastened to stakes set among the plants.

Our seed is saved only from the very finest

PEAS, SWEET — Continued.

sorts cultivated, and are true to name. Hardy Annuals and Perennials. Height four feet.

Pkt.

Butterfly, white ground, delicately laced with lavender-blue; very fragrant and valuable for bouquets, ...15
Crown Princess of Prussia, a delicate blush; very fine, ...10
Painted Lady, rose and white, ...05
Purple, ...05
Scarlet invincible, rich scarlet, ...05
Striped, ...05
Violet Queen, a charming variety ranging from deep mauve to light violet, ...15
White, ...05
Captain Clarke, tricolor, ...10
Mixed, all colors, Pkt., .05; oz., .10; lb., $1.00
Collection of 10 distinct varieties, ...50
Perennial Sweet Peas. These flower the second (sometimes the third) year from sowing, and continue to flower every year thereafter; height, 10 ft. All varieties mixed, ...10

SCHYPHANTHUS.

Very pretty climber; sow seed in frame and transplant where wanted to bloom.

Pkt.

Elegans, yellow, ...10

SMILAX.

A beautiful Winter climbing plant, adapted to the greenhouse and conservatory. Nothing can excel this plant in beauty of foliage and orange fragrance of flower.

Pkt.

Myrsiphyllum asparagoides; 10 ft., ...20

THUNBERGIA.



A genus of slender and rapid-growing climbers, with extremely pretty and much admired flowers, which are freely produced. Half-hardy Annuals.

Pkt.

Alata, orange, rich brown eye; 4 ft., ...10
Alba, white, with dark eye; 4 ft., ...10
Aurantiaca, orange, dark eye; 3 ft., ...10
Bakerii, pure white; 4 ft., ...10
Mixed, from above 10
Collection of 5 choice varieties 50

TACSONIA.

Magnificent greenhouse climbers, with flowers suspended on thread-like filaments, giving the roof of the conservatory the appearance of being studded with star-lights.

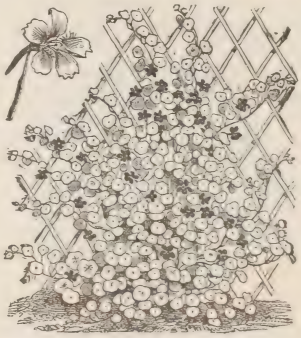
Pkt.

Van Volxemi, intense scarlet flowers, followed by fruit of a pleasant sub-acid flavor; 10 ft., . .25

TROPÆOLUM.



Elegant growing, profuse-flowering, and easily cultivated climbers, with great richness and brilliancy of color; for covering trellises, verandas, and bowers they are unsurpassed. Half-hardy Annuals.



Pkt.

Lobbianum. Lili Schmidt, deep scarlet, . . .15
— **Duc De Luynes,** dark crimson, ...15
— **Geant des Batailles,** brilliant carmine; fine, . .15
— **Lucifer,** very dark crimson, ...20
— **Napoleon III,** yellow, striped with rosy scarlet, .15
— **Queen Victoria,** vermilion and scarlet, . .10
— **Triomphe de Gand,** orange-scarlet; distinct and beautiful, ...15
— **Roi des Noirs,** almost black, ...15
— **Spitfire,** brilliant scarlet; showy, ...15
— **brown,** beautiful dark brown, ...15
— **Finest mixed varieties,** 15
— **Collection** of 12 distinct varieties, . . . 1.00
Peregrinum (*Canary Bird Flower*), yellow, highly ornamental, and deservedly a general favorite, ...15



THE seeds of Greenhouse plants are generally very small and delicate, requiring very great care in sowing. This is especially the case with *Calceolarias*, *Gloxinias*, *Begonias*, etc. Sow in shallow seed-pans or boxes, which must be well drained and filled with a well pulverized compost, of the following proportions: Two-thirds light rich loam, one-third peat, silver sand, and thoroughly decayed cow manure. Make the surface as smooth as possible, sprinkle a little fine silver sand over it, and water with a fine rose. After the pans are thoroughly drained, the seed must be evenly and carefully sown; the smaller sorts will require no covering of soil. The larger-seeded kinds, as *Cineraria*, *Primula*, *Carnations*, require a slight dusting of soil finely pulverized through a sieve. After sowing, cover the pans with a piece of glass and place in a close frame, well-shaded from the sun's rays. When the plants are large enough to handle they must be carefully pricked out into other pans, prepared in the same manner as for seed sowing; allow them to grow till they touch each other, then shift into small pots and place in the close frame. As soon as the roots fill these pots it will be necessary to shift into larger ones. They will now do for flowering, and may be placed in frames or in the greenhouse near the glass. If troubled with green fly, select a quiet evening and fumigate with tobacco.

ABUTILON.

A very popular genus, with bell-shaped, drooping flowers, which are borne in profusion nearly the entire year. Well adapted to house culture, and desirable for bedding out in Summer. The flowers vary from pure white and yellow to deep orange and crimson streaked with yellow. If seeds are sown before April, under glass, plants will bloom the first season. For Winter flowering, sow in August or September.

	Pkt.
Finest mixed, ...	.25

BEGONIA (Tuberous-rooted).

Tuberous-rooted Begonias are resplendent with their beautiful flowers during the whole Summer. Being as hardy as many of the plants used for bedding out, they constitute a valuable adjunct to them. Sow in heat, in February, pot the young seedlings off as soon as large enough, and re-pot when necessary. In three or four months the plants begin to display their splendid and continuous bloom. Begonia seeds are so very small as to be scarcely perceptible to the naked eye, besides being exceeding costly, and they must there-

BEGONIA — Continued.

fore be handled with great delicacy and much care.



Pkt.

Robusta perfecta, splendid new double variety, of robust and compact habit, with succulent, dark-green foliage, and large, double flowers of brilliant cinnabar scarlet, ...50

New varieties mixed, a very choice collection of the many new sorts, embracing those which are remarkable both for foliage and flowers; very choice 25

CENTAUREA.



The undernoted Centaureas are magnificent foliage plants, indispensable as ornamental pot plants and for florists' use.

Pkt.

Gymnocarpa, silvery-grey foliage, drooping habit; elegant, ...25

Candidissima, silvery-white, deeply cut foliage; very graceful, ...25

Clementeii, deeply cut snowy-white foliage, most beautiful, ...25

CALCEOLARIA.

A much admired genus, remarkable for their large, beautifully spotted blossoms. Few flowers are held in greater esteem for growing in pots in the conservatory, greenhouse, or garden.

Pkt.

Hybrida grandiflora, flowers of immense size; seed saved from finest specimens; very choice, .25

— **tigrina,** flowers very large; beautifully spotted; seed saved from choicest collection, . . .25

Finest hybrids mixed, seed saved only from the most perfect flowers, embracing many of recent introduction, ...25

CARNATION.



The Remontant, or Perpetual Tree Carnation, is an excellent variety for Winter blooming.

Pkt.

Perpetual, or Tree; finest Italian seed, . . .50

CHRYSANTHEMUM.



Most valuable plants for growing in pots for the conservatory; and for cutting for bouquets they are indispensable.

Pkt.

Indicum fl. pl., very double, mixed colors, . .15

Pompone, or Dwarf, very fine, mixed colors, . .15

CYCLAMEN.



Bulbous-rooted plants, producing exceedingly handsome flowers. The seed should be sown in Spring, and by Autumn will produce a bulb which will blossom the following Spring.

	Pkt.
Persicum, mixed, greenhouse variety of great beauty and many colors,	.25
Bulbs, each,	.35

CINERARIA.

A very ornamental and much-admired genus; very free flowering and brilliant. Sow the seeds from November to January, and re-pot when the seedlings are large enough. Thrives best in a mixture of loam and peat.

	Pkt.
Hybrida, new dwarf, plants globular in shape, and blossom profusely in many colors; very desirable; ½ ft.,	.25
— **flore pleno**, the flowers are perfectly and evenly double, being entirely made up of ligulate florets, as in double Jacobæa. The colors run through all the shades peculiar to Cinerarias,	.50
— **Choicest mixed**, from the best named varieties. Flowers from this seed have obtained many first prizes; extra choice,	.25
Maritima, graceful white foliage, resembling the Centaureas,	.05
Acanthifolia, silvery foliage, superb,	.15

CLIANTHUS.

One of the most magnificent blooming plants in cultivation, with singularly beautiful foliage, and magnificent clusters of long drooping flowers, somewhat resembling a parrot's beak. Succeeds best in loam, peat and sand mixed; does well planted in a border of the conservatory, or will flourish against a south wall if protected from cold and frost. Does not bear transplanting.

	Pkt.
Dampieri, bright scarlet blossoms,	.25

COLEUS.

Well known and universally admired ornamental foliage plant. The leaves are of all shapes, shades and colors, and nearly all have a rich, velvety appearance. They should be raised in a temperature of 70°, and can be bedded out as soon as danger of frost is over.

	Pkt.
New hybrids mixed	.25

CUPHEA (Cigar Plant).

A favorite bedding plant, which, if raised on gentle heat and transplanted to the garden, will blossom all Summer, and on the approach of frost may be removed to the greenhouse or conservatory, and will continue to bloom all Winter.

	Pkt.
Platycentra (*Cigar Plant*), scarlet, white and purple, mixed,	.10

FUCHSIA.

Well-known plants, of easy culture in pots, for conservatory or parlor decoration, or the open border; they are as easily grown from seed as from cuttings; while raising from choice seed has the advantage of obtaining many improved varieties.

	Pkt.
Finest mixed, from choice named varieties,	.50

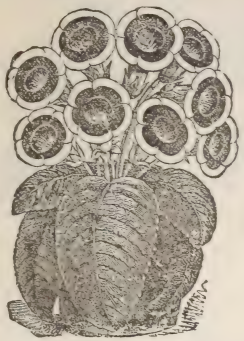
GERANIUM) Pelargonium).



Well-known favorites, indispensable for indoor and out-door decoration. The seed we offer having been saved from first-class varieties, the amateur has a fair chance of raising many charming novelties.

	Pkt.
Apple-scented, a well-known favorite variety,	.25
Fancy, choice greenhouse varieties,	.50
Large-flowered, from prize varieties,	.50
Scarlet, fine mixed,	.10
Zonale, choicest hybridized variegated varieties, embracing all the gold and silver, tricolor, and bronze sorts,	.50

GLOXINIA.



A superb genus of greenhouse plants, producing in great profusion beautiful flowers, of the richest and most brilliant colors; thrive best in sandy peat and loam. Perennial.

	Pkt.
Choicest mixed, from the finest erect and drooping varieties,	.50

HELIOTROPE.



A well-known genus of profuse-flowering and deliciously fragrant plants, splendid for bedding or ribboning, and for baskets or pot culture.

	Pkt.
Finest mixed,	.10

HUMEA.

A remarkably handsome plant, invaluable for decorative purposes, in the conservatory or dispersed in pots about the lawn. Planted in the centers of beds or mixed borders, its majestic and graceful appearance renders it a most effective and striking object.

	Pkt.
Elegans, red; 3 ft.,	.15

LANTANA.

A remarkably handsome, free-flowering genus of plants with brilliantly colored flowers, constantly changing in hue; very effective, either for pot culture or for bedding.

	Pkt.
Finest varieties mixed,	.15

PRIMULA.



A charming, profuse-flowering plant, indispensable for Winter and Spring decoration in the conservatory or sitting-room. The seed we offer has been saved from flowers remarkable for their size, color, and perfect form, and is of unsurpassed quality. Sow either in February or August, in boxes of light rich soil, covering the seeds lightly with a little damp moss. Let them stand in a cool moist place for four or five weeks, then place in frame with bottom heat. When the plants put on two leaves, transplant into pots, and repeat this operation as the plants grow larger.

	Pkt.
Chinensis, best mixed (not fringed), all colors,	.25
— fimbriata (fringed) the most superb varieties, mixed,	.50

VINCA (Periwinkle).

A class of very pretty, free-flowering Perennials, with shining green foliage and beautiful flowers. May be set out in the garden in a warm situation during the Summer and Autumn months. Pot and take in-doors before frost.

	Pkt.
Alba, white, red eye; 2 ft.,	.10
— pura, pure white; 2 ft.,	.10
Rosea, rose; 2 ft.,	.10



And Ornamental Grasses.

THE Everlasting Flowers and Ornamental Grasses are exceedingly graceful, and as they retain their form and color for a long time are most valuable for making up Winter bouquets, and for vases and other decorations necessary during the Winter months when other flowers are scarce. The Flowers should be cut before they are entirely matured, and hung up in bunches to dry. This does not apply to the Globe Amaranth, which should be allowed to expand fully before cutting. The Grasses, besides making ornamental border plants, are valuable for mixing with the Everlastings, giving an airy grace to a bouquet quite impossible by other means. Many of the Grasses, especially the *Stipa pennata*, will stand washing when they get soiled with dust and long keeping. Both the Everlastings and Grasses are of easy cultivation. Sow at the same time as Annuals and Perennials.

ACROCLINIUM.



Very pretty, with rose and white daisy-like flowers. They grow about one foot high, and should be planted four inches apart.

	Pkt.
Album, pure white,	.05
Roseum, light rose; good for mixing,	.05
— **double** (new), great acquisition,	.15
Mixed,	.05

AMMOBIUM.



One of the hardiest of Everlastings. Grows two feet high. The flowers are rather small, pure white, and should be gathered before fully opened to preserve for Winter. Start under glass.

	Pkt.
Alatum,	.05

GLOBE AMARANTH (Gomphrena).

Handsome Everlasting, with showy globular heads of flowers which retain their beauty for years after being cut. The seeds will germinate quicker if their wooly husk is removed before planting.

	Pkt.
Flesh color; 3 ft.,	.05
Orange; 2 ft.,	.05
Red; 2 ft.,	.05
Variegated; striped rose and white,	.05
White; 2 ft.,	.05
Globosa nana compacta, a distinct new variety of dense bushy habit; flowers a rich deep violet-red; excellent for pot culture,	.10
Fine mixed,	.05

GYPSOPHILA.



A pretty, free-flowering, elegant little plant; not a true Everlasting but valuable for making up bouquets, whether in a green or dry state.

	Pkt.
Elegans, white and pink, hardy Annual,	.10
Muralis, a charming little plant, covered with red flowers, hardy Annual,	.10
Paniculata, Perennial, white, very fine,	.10

HELIPTERUM.



A dwarf Everlasting, with small foliage and large clusters of bright golden and pure white star-like flowers. Will retain their brilliancy for years. Hardy Annuals; one foot high.

	Pkt.
Sanfordii, golden,	.15
Anthemoides, pure white,	.15
Mixed,	.15

HELICHRYSUM.



Exceedingly handsome for Winter bouquets, and also excellent for mixed beds and borders. Hardy Annuals; height two feet.

	Pkt.
Monstrosum album, fl. pl., double white,	.10
— **luteum, fl. pl.,** double yellow,	.10
— **purpureum, fl. pl** , purple,	.10
— **roseum, fl. pl.,** double rose,	.10
Fireball, a new and beautiful Everlasting, of the richest crimson-maroon color; for church decorations, etc., it is invaluable,	.25
— **minimum,** very dwarf, mixed,	.10
— **fine mixed varieties,**	.10

The following three varieties do well in pots, and out-of-doors in sunny situations.

	Pkt.
Brachyrrhinchum, lemon-yellow; ½ ft.,	.10
Elegans, yellow; 1 ft.,	.10
Strictum, yellow; 1 ft.,	.10

HONESTY (Lunaria).

Although the Honesty is not a true Everlasting, its silvery seed-pods are much admired for Winter decoration. Hardy Biennials.

	Pkt.
Purple, very showy; 2 ft.,	.05

RHODANTHE.



A well-known Everlasting; valuable for the decoration of the conservatory and flower-garden; fine for bedding or ribboning. Half-hardy Annuals.

	Pkt.
Atrosanguinea, purple-crimson; 1 ft.,	.15
Maculata, rosy-purple, with crimson center; 1½ ft.,	.15
— **alba,** white, very showy; 1 ft.,	.15
Manglesii, bright rose; 1 ft.,	.10
— **fl. pl.,** double, bright rose,	.25

STATICE.

Exceedingly interesting plants, of easy culture. They are all very free-flowering, and remain a long time in bloom. Like the *Lunaria* and *Gypsophila*, they are not true Everlastings, but are valuable for Winter bouquets.

	Pkt.
Bonduelli, golden-yellow; 1½ ft.,	.10
Incana hybrida, mixed colors; 1 ft.,	.10
Sinuata, Annual, purple and white; 1 ft.,	.10
Spicata, dwarf Annual, emerald-green foliage, rosy-pink flowers; 1 ft.,	.10

WAITZIA.

Flowers in clusters; pick early before center becomes discolored. Sow seed under glass; transplant ten inches apart; height one foot.

	Pkt.
Alba purpurea, purple and white,	.20
Grandiflora, deep yellow,	.20

XERANTHEMUM.



A showy class of Everlastings; sow in May, in the open border, and thin out two feet apart. Hardy Annuals.

	Pkt.
Album fl. pl , double white; 2 ft.,	.10
Cœruleum, fl. pl., double blue; 2 ft.,	.10
Superbissimum, fl. pl , new, distinct, and very double; blue; 1½ ft.,	.25
— **album, fl. pl** , desirable for bouquets; 1½ ft.,	.25

Ornamental Grasses.

ANNUAL VARIETIES.



JOB'S TEARS.

	Pkt.
Agrostis nebulosa, very graceful, indispensable for bouquets; 1½ ft.,	.10
Anthoxanthum gracile, elegant; ½ ft.,	.10
Avena sterilis (*Animated Oats*); 2½ ft ,	.05
Briza, the well-known Quaking Grass; spreading; 1 ft.,	.05
— **gracilis,** small Quaking Grass; 1 ft.,	.05
— **maxima,** large Quaking Grass; 1 ft.,	.05
Brizopyrum siculum, splendid for edgings and bouquets; ¾ ft.,	.05
Ceratochloa pendula, graceful; 1 ft.,	.05
Chloris elegans, very effective in bouquets and borders, slender and elegant; ½ ft.,	.10
Chrysurus aureus, golden-spiked; a very desirable sort; ½ ft.,	.05
Coix lachryma (*Job's Tears*); 1½ ft.,	.05
Eleusine oligostachya, three horns; very pretty; 1 ft.,	.10



QUAKING GRASS.

Eragrostis elegans (*Love Grass*), beautiful for borders and indispensable for bouquets; 1 ft.,	.05
Hordeum jubatum, Squirrel-tail Grass, elegant; 1½ ft.,	.05
Lagurus ovatus (*Hare's-tail*), elegant; a well-known sort; 1 ft.,	.05
Paspalum elegans, pretty for borders or shrubberies; 2 ft.,	.10
Pennisetum. The most distinct and beautiful of ornamental grasses:	
— **longistylum**; 1½ ft.,	.05
Poa amabilis (*Abyssinian Grass*),	.10
Uniola latifolia, beautiful in bouquets; 3 ft.,	.10
Zea Japonica variegata (*Ornamental Maize*), much prized for its beautifully variegated foliage; 3 ft.,	.10

PERENNIAL VARIETIES.



FEATHER GRASS.

	Pkt.
Andropogon. Fine sub-tropical plants, imparting to shrubberies or lawns a picturesque appearance:	
— **argenteus,** very ornamental; 5 ft.,	.10
— **schimperi,** very stately; 6 ft.,	.10
Arundo conspicua (*New Zealand Pampas Grass*); 8 ft.,	.10
— **donax folio variegatis,** striped foliage; 7 ft.,	.10
Bromus brizæformis, fine Briza-like; excellent for bouquets; 1 ft.,	.05
Chloris barbata, bearded; very neat; 1 ft.,	.10
Chloropsis blanchardiana, Bottle-brush-like flowers of a bright rose-color; 4 ft.,	.10
Erianthus ravennæ, a noble grass, resembling the Pampas; 7 ft.,	.10
— **violascens,** violet tinted; 7 ft.,	.10
Eulalia Japonica. Magnificent Japanese grass attaining a height of 6 to 7 feet. A single plant throws up from 30 to 40 elegantly recurved flower-spikes of a light violet color,	.25



PAMPAS GRASS.

Festuca pectinella. Dwarf, compact-growing grasses for bouquets and edgings; ½ ft.,	.05
— **viridis,** fine edging plant; ½ ft.,	.05
Gynerium argenteum (*Pampas Grass*); a well-known variety; 7 ft.,	.10
— **jubatum.** Splendid species with beautiful spikes of silvery red flowers,	.10
— **variegatum,** foliage variegated; 7 ft.,	.10
Isolepis gracilis, fine for jardinets; ½ ft.,	.10
Stipa. The most elegant of all grasses either for bouquets or the flower-border:	
— **elegantissima,** extremely elegant; the best of its class; 2 ft.,	.25
— **pennata** (*Feather Grass*); 2 ft ,	.10
Tricholæna rosea, very pretty; 1 ft.,	.10
Tripsacum dactyloides, pretty for edgings; ¾ ft.,	.10

Choice Flower Seeds in Quantity.

(For description of which, see preceding pages.)

As many of our customers require larger quantities of Flower Seeds than are usually sold in packets, we offer a few of the leading sorts by weight. They have been selected as the most effective and ornamental for bedding, edgings, or similar situations, and will be found most economical where extensive sowings are required. We will mail free, at prices quoted, but unless the price exceeds fifty cents per ounce, not less than one ounce packets will be sold.

	Per oz.
Aoroclinium roseum,	.50
— — **album,**	.50
Ageratum Mexicanum,	.75
Alyssum, sweet,	.75
Amaranthus melancholicus ruber,	.75
— **tricolor,**	.50
Antirrhinum, dwarf, fine mixed,	1.00
— **tall,** fine mixed,	.75
Aquilegia (*Columbine*), mixed,	.75
Aster, German, quilled,	1.00
— **Truffaut's Perfection,**	4.00
Balloon Vine,	.50
Balsam, double white,	1.50
— **double crimson,**	1.50
— **camellia-flowered,** mixed,	2.00
— **fine double mixed,**	.60
Bartonia aurea,	.50
Cacalia coccinea,	.75
Calliopsis, fine mixed,	.50
Canary-Bird Flower,	1.00
Candytuft, dark crimson,	.50
— **white, fragrant,**	.40
— **white rocket,**	.60
— **mixed,**	.40
Canna, fine mixed,	.50
Canterbury Bells, double mixed,	1.00
— — **single,** mixed,	.75
Catchfly, mixed,	.75
Celosia, fine mixed,	1.00
Centaurea gymnocarpa (*Dusty Miller*), graceful silvery foliage,	2.50
Clarkia, fine mixed,	.50
Collinsia, fine mixed,	.50
Convolvulus major (*Morning Glory*),	.25
— **minor,** fine mixed,	.30
Cypress Vine, crimson,	.60
— — **white,**	.75
Dianthus chinensis (*China Pink*),	1.00
Digitalis (*Foxglove*), mixed,	.50
Eschscholtzia, mixed,	.50
Euphorbia variegata,	.50
Gilia fine mixed,	.40
Globe amaranth (*Gomphrena*), mixed,	.60
Godetia, fine mixed,	.50
Hibiscus Africanus,	.50
Hollyhock, choicest mixed,	5.00
— **fine mixed,**	1.00
Ipomœa coccinea (*Star Ipomœa,*)	.40
Kaulfussia amelloides,	.75
Larkspur, dwarf rocket, mixed,	.60
— **tall, branching,**	.50
Lavender,	.50
Linum grandiflorum rubrum,	.75
Lobelia speciosa,	2.00
Lupinus, annual, mixed,	.50
Marigold, African,	.50
— **French,**	.50
Marvel of Peru, mixed,	.30
Mignonette, large-flowered pyramidal, for florists' use,	.30
— **sweet,** per lb., $2.00	.20
— **"The Prize,"**	1.00
Nasturtium, Tom Thumb, mixed,	.50
— **tall,** mixed,	.30
Nemophila, mixed,	.40
Pansy, English Show and Fancy,	10.00
— **choice mixed,**	4.00
— **good mixed,**	2.00
Peas, Sweet—Butterfly,	.50
— — **Painted Lady,**	.20
— — **scarlet,**	.20
— — **striped,**	.15
— — **Violet Queen,**	.50
— — **white,**	.15
— — **mixed,** per lb., $1.00	.10
Petunia, choice mixed, single,	1.00
Phlox Drummondii, mixed,	.75
Poppy, double, mixed,	.50
Portulaca, fine mixed,	.60
— **grandiflora,** good double,	5.00
Pyrethrum (*Golden Feather*),	2.00
Ricinus, fine mixed,	.30
Salpiglossis, finest mixed,	1.00
Scabiosa (*Mourning Bride*),	.75
Schizanthus, fine mixed,	.75
Sensitive Plant,	.75
Smilax,	3.50
Stocks, German ten-week, large-flowered, mixed,	4.00
— **mixed,**	2.00
Sweet William, auricula-flowered,	.75
— **fine mixed,**	.50
Thunbergia, fine mixed,	.50
Verbena, fine mixed,	2.50
Virginian Stock, mixed,	.50
Zinnia, finest double, mixed,	.75

Wild Garden Seeds.

The introduction of these has proved a most marked success, and we are daily in receipt of the most satisfactory evidence of the estimation in which the wild garden is held wherever this modest phase of floriculture has found a home. Any one who has planted and cultivated flowers in neatly laid-out beds or carefully planned ribbon-borders is aware of the amount of labor and constant attention necessary to produce the desired effect. To those who cannot give this care, the "Wild Garden" presents a substitute which, for its unusual and varied effects, for cheapness and the small amount of labor necessary for its construction, has no rival. "Wild Garden Seeds" are a mixture of over one hundred varieties of hardy flower seeds, and being mixed together can be offered at a much less price than when sold in separate packets. No one who has not seen such a bed can form an idea of its possibilities, the different seasons of bloom insuring something new almost every day. Half-ounce packets, 25 cents.

Collections of Flower Seeds.

Collection "A," price 25 cts., contains one packet each of —

Mignonette, sweet. Alyssum, sweet, white. Sweet Peas, fine mixed. Phlox Drummondi, fine mixed. Portulaca, fine mixed. Chinese Pink, fine mixed.

Collection "B," price 50 cts., contains the varieties in Collection "A," with the following addition —

Nasturtium, Tom Thumb, fine mixed. Candytuft, finest mixed. Aster, German, fine mixed. Pansy, finest mixed. Eschscholtzia, fine mixed. Morning Glory, " "

Collection "C," price 75 cts., contains the varieties in Collections "A" and "B," with the following in addition —

Coreopsis, fine mixed. Balsam, " " Zinnia, fine mixed. Mourning Bride, fine mixed. Petunia, finest mixed. Calendula, "Meteor," yellow.

Collection "D," price $1.00, contains the varieties in Collections "A," "B" and "C," with the following in addition —

Tall Nasturtium, fine mixed. Marigold, French, striped. Larkspur, dwarf Rocket. Poppy, double mixed. Convolvulus, dwarf, mixed. Chrysanthemum, fine mixed. Antirrhinum, finest "

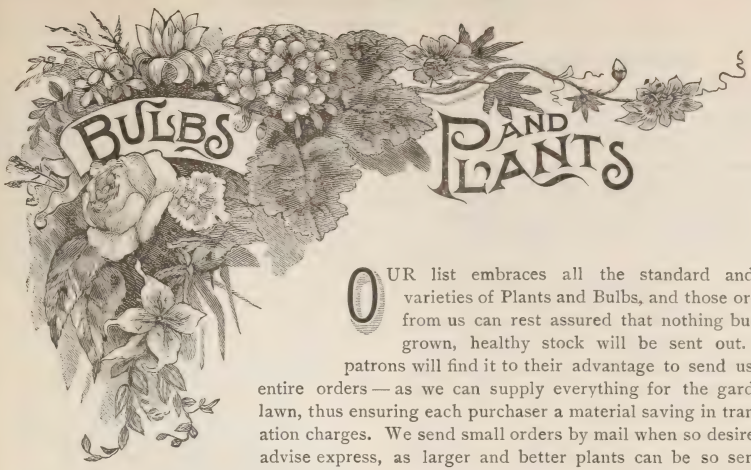
As an inducement to order in this compact form, it will be seen that we price these Collections at a reduced rate from regular catalogue prices when the selection is made by the customer. Collection D, for example, at regular rates would cost $1.60. We can afford to give these Collections at low rates, because of the quantity made up at one time, saving us a great amount of labor and expense.

To those of our readers who wish to cultivate flowers in their sitting rooms or windows, we append a list of suitable sorts. (*See, also, our Fall Catalogue of Holland Bulbs in September*).

LIST OF FLOWER SEEDS SUITABLE FOR HANGING BASKETS, VASES, AND WINDOW BOXES.

NAME.	Page.	Color of Flower.	Per pkt.
Abronia,	55	lilac & yel.	.10
Ageratum Mexicanum,	56	blue,	.05
Alonsoa,	56	scarlet,	.05
Alyssum, Sweet,	56	white,	.05
Anagallis,	56	mixed,	.10
Brachycome,	59	blue & wh.	.10
Browallia,	59	wh. & blue	.10
Calandrinia umbellata,	61	crimson,	.10
Centaurea gymnocarpa,	89	silver lf.,	.25
" candidissima,	89	"	.25
Clintonia elegans,	61	blue,	.10
Convolvulus mauritanicus,	62	lavender,	.10
Daisy, double,	63	mixed,	.25
Fenzlia dianthiflora,	64	rosy lilac,	.25
Gilia tricolor,	64	mixed,	.05
Golden Feather,	64	golden,	.10
Grammanthes,	65	orange,	.15
Gypsophila,	65	white,	.10
Iberis (Candytuft),	60	white,	.05
" (Perennial C.),	80	white,	.05
Linaria (Kenilworth Ivy),	81	mixed,	.15
Lobelia erinus,	66	blue,	.10
" gracilis,	66	"	.10
Marigold "Meteor,"	67	yellow,	.10
Matricaria (Feverfew),	68	white,	.10
Mesembryanthemum, Ice Plant,	68	mixed,	.10
Mimulus moschatus, Musk Plant,	69	yellow,	.10
Mignonette,	68	buff,	.05
Nasturtium, dwarf,	69	mixed,	.05
" Lobbianum,	87	"	.15
Nemesia,	70	mixed,	.05
Nierembergia,	70	lilac,	.10
Nemophila insignis,	70	"	.05
Nolana atriplicifolia,	70	"	.05
Oxalis,	71	various,	.10
Petunia, single,	71	mixed,	.10
" double,	71	"	.50
Portulaca, double,	72	"	.20
Sanvitalia procumbens,	74	yellow,	.10
Saponaria,	74	mixed,	.05
Sedum coeruleum,	75	blue,	.10
Sensitive Plant (Mimosa),	75	pink. wh.	.05
Stevia,	75	purple,	.05
Stocks, large flowering,	75	mixed,	.20
" of sorts,	82	various,	.15
Trifolium (Sweet Sc'ted Clover),	75	white,	.05
Virginian Stock,	76	red & wh.	.05

(See, also, Greenhouse and Conservatory Varieties, pp. 88 to 91.



OUR list embraces all the standard and new varieties of Plants and Bulbs, and those ordering from us can rest assured that nothing but well-grown, healthy stock will be sent out. Our patrons will find it to their advantage to send us their entire orders — as we can supply everything for the garden or lawn, thus ensuring each purchaser a material saving in transportation charges. We send small orders by mail when so desired, but advise express, as larger and better plants can be so sent, and with perfect safety at all seasons of the year. We make no charge for boxes and packing plants, except in the case of fruit and ornamental trees, when a small charge will be made to cover expense of packing; and every order is executed at once, or a reason is given why it has not been sent.

Summer Flowering Bulbous Plants.

AGAPANTHUS (African Lily).

One of the handsomest house plants yet introduced. It is admirably suited for parlor or conservatory decoration, being attractive with its glossy green foliage and large trusses of magnificent flowers.

	Each.
Umbellatus, blue,	.75
— **fl. albus,** pure white,	1.00

AMARYLLIS.

Bulbous plants, with large drooping, bell-shaped, lily-like flowers, varying in color from the richest crimson to pure white, striped with crimson or scarlet. They are of the easiest possible culture.

	Each.	Doz.
Atamasco, pink and white, variable, showy for border,	.15	1.50
Formosissima (*Jacobean Lily*), velvety crimson, a desirable border plant,	.25	2.50
Bella Donna (*Bella Donna Lily*), white, flushed with rosy purple,	.60	6.00
Johnsonii, deep red and white,	.75	
Longiflora, alba and rosea, fine,	.50	5.00
Lutea (*Sternbergia*), a handsome, showy yellow autumn-flowering bulb,	.25	2.50
Vittata, magnificent varieties, flaked and striped with the most striking tints,	1.25	
Vallota purpurea, large crimson-scarlet lily-like flowers, in heads of five or six blooms each, which remain a long time in perfection,	.50	4.00

BEGONIA (Tuberous-rooted).

Splendid varieties, covered the whole Summer with bright and elegant flowers, succeeding as well in the shade as in the sun. Its utility for bedding cannot be overestimated. Masses on a lawn present a gorgeous aspect, and elicit general admiration. Flowering bulbs. Price: Each, 50 cents; per doz., $4.50.

CALADIUMS.

Beautiful and striking ornamental-foliaged plants, for culture in large pots or tubs or for planting out on the lawn. Will grow in any garden soil. When of full size it stands about five feet high, with immense leaves, often measuring four feet in length by two and a-half in breadth, very smooth, of a light green color, beautifully veined and variegated with dark green. The roots should be preserved in dry sand in the cellar during Winter out of danger from frost.

	Each.	Doz.
Esculentum, first size,	.25	2.50
— extra large,	.50	4.50

CANNA (India Shot Plant).

A stately class of plants; their rich and varied-colored leaves, combined with large and beautiful flowers of brilliant colors, make them

CANNA — Continued.

one of the most desirable plants for sub-tropical gardening. The roots may be successfully wintered in a cellar.

Each.

Canna (*India Shot Plant*), showy varieties, . .25
— **ehemanni**, a magnificent new Canna; height five or six feet, with banana-like foliage, and large crimson-scarlet flowers hanging pendent in clusters from the top of the plant. Each stalk produces a succession of clusters for a long time, ...50

DAHLIA.

The Dahlia is the grandest Autumn flower we have. Nothing is its equal in any respect in September and October. It is in its glory when everything else is faded or fading, and surrenders only to the Frost King. Our collection embraces the best and most distinct colors, and are offered at an extremely low price. Named sorts, 20 cts. each; $2.00 per doz. Unnamed but distinct sorts, 15 cts. each; $1.50 per doz.

SHOW DAHLIAS.

Height, 3 to 5 ft.

Annie, lilac, very fine.
Andrew Dodds, dark purple.
Fanny Purchase, pure yellow.
Garabaldi, yellow and crimson, marbled.
Goldfinder, deep yellow.
Gypsy King, bright mulberry.
John Standish, bright red.
Juda, yellow and dark purple.
Lady Popham, blush, tipped with rose.
Little Gem, blush and crimson.
Mary Lander, pale rose, marbled with blood red.
Memorandum, blush and crimson.
Mille Dardenne, pale primrose.
Monarch, dark maroon.
Nelly, lilac and crimson.
Nydia, primrose, striped and tipped with crimson.
Smith's Favorite, blush.
Tom Goodwin, very dark maroon.
Vesta, snowy white.
Victory, dark maroon.
William Lucas, yellow and scarlet.

DWARF DAHLIAS.

Height, 20 to 24 inches.

Princess Matilda, pure white.
Rising Sun, scarlet.
Gem of the Dwarfs, scarlet, tipped with white.
Sambo, dark maroon.

POMPON, or BOUQUET DAHLIAS.

Height, 3 to 4 ft.

Little Annie, blush and scarlet.
Snowflake, pure white.
Lilac Pompon, bright lilac, compact and perfect.
White Aster, pure white, quilled, very fine.
Little Hermann, blush and dark maroon.
Little Prince, scarlet and white, variable.
Jeannette, blood red, striped with white.
Model, bright crimson.
Minnie, yellow, tipped and veined with pink.
Constantia, violet and white.
Black Head, nearly black.
Goldfinch, scarlet and gold, marbled.
Virginia, very bright crimson, distinct and beautiful.
Emotion, deep purple and white.

DAHLIA — Continued.

NEW CACTUS DAHLIA (Dahlia Jaurezi).

Dazzling scarlet, long petals curiously twisted at the points; they are as brilliant as those of a Poinsettia, and resemble somewhat the flowers of a Cactus; a grand bedding Dahlia. Price: each, 35 cts.; per doz., $3.50.

SINGLE DAHLIAS.

This new section of the Dahlia family has now become exceedingly fashionable, owing to the value attached to the cut blooms, their airy butterfly-like forms giving the flower a grace never attained by the finest double sorts. Price: each, 20 cts.; per doz., $2.00.

Cloth of Gold, rich yellow.
Cecil Teigner, rich, rosy pink; free.
Dido, magenta-rose, paler at the tips, with a yellow zone at base.
Gracilis Perfecta, velvety crimson, free bloomer.
Halo, magenta-crimson; a zone of yellow at base of florets.
Harlequin, deep rose ground-color, having a broad band of purple down the center of each petal; very attractive.
Harold, very deep rose.
Irene, white, delicately-shaded pink.
— **LeBaron**, rich mulberry, shaded crimson, having a dark line around the center.
Lutea Grandiflora, rich yellow, large, well-shaped flower; very free, and good habit.
Maud Willan, delicate straw, shading to creamy white.
Nora, bright pink, a very free and effective bedder; extra.
Paragon, dark maroon edged with purple.
Purple Paragon, violet-purple; habit, etc., same as Paragon.
Ruby, rich, ruby-red, fine.
Rob Roy, intense, bright scarlet, very early; extra.
Scarlet Cervantesii, bright scarlet.
Single Zinnia, rich crimson-scarlet; a neat flower, dwarf habit.
Solfaterre, pale primrose.
Thalia, pretty, rich amaranth, very dwarf; extra fine.
Thos. Wheeler, pretty terra-cotta color; a good-shaped flower.
Tyro, lilac, yellow zone at the base.
Wm. Gordon, mauve, flushed with pink.
White Queen, one of the best.
Zulu, deep maroon, shaded crimson; color intense.

GLADIOLUS.

The Gladiolus is the most beautiful of the Summer flowering bulbs, with tall spikes of flowers, some two or more feet in height, often several from the same bulb. The flowers are of almost every desirable color, brilliant scarlet, crimson, creamy white, striped, blotched, and spotted in the most curious manner. Set the bulbs from six to nine inches apart, and about four inches deep. Plant from middle of April to first of June. It is a good way to plant at two or three different times, ten days or two weeks apart. This will give a succession of bloom from July to November. Their culture is very simple; they will grow in any ordinary garden mould, but succeed best in good earth, manured with well-rotted horse-dung. The

GLADIOLUS — Continued.

bulbs are taken up in the Fall and placed in a dry cellar, protected from frost.

	Each.	Doz.
Gladiolus, various shades of scarlet and crimson, mixed,	.10	$1.00
— various shades of pink and variegated, mixed,	.10	1.00
— various shades of white and light colors, mixed,	.10	1.00
— various shades of yellow and yellow grounds, mixed,	.15	1.50
— splendid mixture of all shades, made up largely of surplus named sorts, extra fine. Per 100, $5.00.	.08	.75

LILIUMS.



LILIUM LANCIFOLIUM.

The "Queen of Flowers" is an apt and well deserved name for this truly magnificent family of plants. For regal splendor, spotless purity, and delicious fragrance, they are unparalleled in the floral world. Most of the varieties are quite hardy, and of easy culture, thus bringing the most queenly of flowers within the reach of every one.

In their native habitats Lilies are generally found growing in such sheltered spots as margins of woods or plantations, rocky ravines, amongst long grass, shrubs, etc., and mostly where for a long period of the year their bulbs are in a comparatively dry state. This fact points out the necessity of good drainage and partial shade or shelter, and shows at a glance the great suitability of Lilies for planting in

LILIUMS — Continued.

such places as on mixed beds or borders in front of shrubs, or amongst evergreens and roses, on Rhododendron beds, etc., and where, indeed, when planted in groups of three or five, such fine varieties as *Auratum*, *Chalcedonicum*, *Lancifolium*, etc., are matchless in their beauty, and produce a splendid and imposing effect. Planting out may take place any time during the Autumn, Winter, or Spring, when the bulbs are in a dormant state, or growth has but just commenced. The bulbs should be planted at a depth of from six to eight inches according to size, so as to admit of their remaining in the ground for several years, if possible, without being disturbed. Lilies generally are fond of a rich soil, mulchings, etc., and whether grown in-doors in pots, or on the open border, will amply repay with an abundance of fine flowers for a plentiful supply of liquid manure once or twice a week during the growing period, and before the plants come into bloom.

	Each.	Doz.
Auratum (*Golden-banded Lily*), white, with rich crimson spots, and golden band through center of each petal; extra strong flowering bulbs; Aug.-Sept.; 4 ft. to 6 ft.,	$0.40	$4.00
Lancifolium album, splendid white; Aug.-Sept.; 3 ft.,	.50	5.00
Lancifolium rubrum (*Japan Lily*), white, spotted with crimson, superb; Aug.-Sept.; 3 ft.,	.25	2.50
Lancifolium punctatum, white, spotted with delicate salmon; broad petals; Aug.-Sept.; 3 ft.,	1.00	10.00

[For full descriptive list of Lilies, see our Fall Catalogue.]

LILY OF THE VALLEY.



LILY OF THE VALLEY.

The Lily of the Valley (*Convallaria majalis*) is a very pretty plant, almost rivalling the Snowdrop for modest beauty and spotless purity. It is quite hardy, and thrives best in shady places, such as beside a wall or under trees. Plant thickly together, two to four inches deep, in rich soil, and do not disturb unless they increase too much.

	Doz.	1.00
Flowering Pips,	0.40	$2.75

MADEIRA VINE.

Half-hardy tuberous-rooted climber, of rapid growth, with thick, glossy, light-green leaves. It bears a profusion of graceful racemes of deliciously fragrant white flowers; for screens or trellis work, in a sheltered or sunny situation, no better plant can be used. Each, 10 cts.; per doz., $1.00; per 100, $5.00.

TIGRIDIA (Tiger Flower).



A genus of Mexican bulbs, growing about one and a-half foot high, and producing flowers of the most exquisite beauty. In bloom from July to the first of October. May be planted any time in May, or the first of June, about two inches deep, in any garden soil. After the tops are killed by frost, take up the bulbs and keep them in a dry place away from the frost until the time of planting in the Spring.

	Each.	Doz.
Conchiflora, rich orange, variegated with golden yellow, and spotted with black, .	.15	$1.50
Grandiflora, crimson, very fine, . . .	.15	1.50
— **alba** (*new*), large flowers, of a pearly-white color, marked at the base of each division with large chestnut spots on a yellowish ground, contrasting beautifully with the white of the petals, . . .	.25	2.50

TRITOMA.

Sometimes called "Red-hot Poker." It is really a fine plant, quite hardy. The flowers are produced in large spikes of rich, orange-red tinted flower tubes. Plant two feet apart, and in November cut the plants back near the ground, and cover the bulbs with dry litter which remove in the Spring.

	Each.	Doz.
Uvaria, ...	.25	$2.50
— **grandiflora,** flowers enormous size, magnificent color; a most effective border plant, ...	.35	3.50

TUBEROSE (Polyanthes Tuberosa).



TUBEROSE — THE PEARL. (Half-average size.)

The tubers of this delightfully fragrant flower may be planted from January to May, Where a succession of flowers are required. planting may begin in a warm greenhouse or conservatory at the former period; but where convenience is limited to a hot-bed and greenhouse, the most suitable time is from March to May. In planting, remove the useless small offsets around the tuber. Plant either singly in six-inch pots, or in groups of three or more in eight-inch or larger pots. Use good, rich loam. The "Pearl" Tuberose is dwarf, with very double flowers, purer white, and more fragrant than the old sort.

	Each.	Doz.	100.
"Pearl" Tuberoses, extra large flowering tubers, ...	.06	.60	$4.00

General List of Plants.

EMBRACING ALL THE MOST DESIRABLE, NEW, RARE, AND STANDARD VARIETIES.

Abutilon Darwinii, deep orange scarlet.
— Boule de Niege, white.
— Roseum, fine rose color.
— Signor Rotuse, orange and scarlet.
— Thompsoni, leaves spotted with yellow.
— Vexillarium, variegated.
Each, 25 cts.; per doz., $2.00.
Acuba Japonica Variegata. Each, 30 cts.
Achyranthes Aurea Reticulata, yellow green.
— Caeseii, golden-yellow, veined green.
— Emersonii, maroon, changing to pink.
— Gilsonii, carmine, stems pink.
— Hoveyii, deep blood-red.
Each, 25 cts.; per doz,, $2.00.

AGAVE AMERICANA (Century Plant).

No plant is more decorative and effective than this for house decoration or the lawn in Summer. We offer a large variety of sizes, 50 cts. to 75 cts. for small, to large plants in tubs at $15.00 and $20.00

Ageratum, Blanche, pure white.
— Blue Tom Thumb, flowers beautiful blue.
— Imperial Dwarf, variety of "Mexicanum."
— John Douglas, valuable for ribboning.
— Mexicanum, light blue. Each, 25 cts.; per doz., $2.00.
Aloysia Citriodora (*Lemon Verbena*), 15 cts. and 25 cts.
Alternanthera Amœna, yellow, brown rose.
— Latifolia, Autumn-tinted leaves.
— Paravchoides, crimson straw and green. Each, 15 cts.
Antirrhinum (*Snapdragon*). Each, 15 cts.
Ampelopsis Veitchii. Each, 25 cts. and 50 cts.
Aristolchia Sipho (*Dutchman's Pipe*). Each, $1.00.
Aquilegia, all colors. Each. 25 cts.
Astilbe Japonica (Spiræa Japonica). Each, 25 cts.
Azalea Indica, medium plants. Each, 25 cts.; large, 50 cts.
Asters, the most popular varieties. Per doz., 75 cts.
Bouvardia, white, rose and crimson. Each, 50 cts.
Begonia Glaucophylla Scandens.
— Grandiflora Rosea, rose color.
— Hybrida Grandiflora, rosy pink.
— Rubra, glossy and wax-like scarlet flowers.
— Sandersonii, scarlet crimson.
— Weltoniensis, beautiful pink. Each, 25 cts.
Begonia Rex, ornamental-leaved. Each, 30 cts.
Bignonia Grandiflora. Each, 50 cts.
Calceolaria Rugosa, shrubby. Each, 25 cts.

CARNATIONS.

We enumerate a list of varieties, but for their free-flowering quality we grow in quantity the following three: "Grace Wilder," delicate pink; "Crimson King," fiery scarlet; and "Smith's White," pure white and good form. These we offer at $1.50 per doz.; $10.00 per 100.

Carnation, Admiral Farragut, creamy white.
— Butterfly, orange-buff, flaked with purple.
— Crimson King, crimson scarlet.
— Donati's Pride, white, edged with pink.
— Edwardsi, large, pure white.
— Lady Emma, rich crimson scarlet.
— La Purete, carmine, free-flowering.
— Meteor, rich scarlet, splendid.
— Peerless, large white.
— Snowdon, pure white, dwarf habit.
— Vesuvius, bright scarlet. Each, 25 cts.
Centaurea Gymnocarpa. Each, 25 cts.

CHRYSANTHEMUMS.

During the past few seasons the Chrysanthemums have become the most fashionable and popular of our Autumn-flowering plants; being entirely hardy, and of free, quick growth, they can be grown under almost any conditions. For planting in the border they are invaluable, and unsurpassed as pot plants for conservatory or parlor decoration, blooming at a season when flowering plants are scarce. The varieties we offer have been carefully selected, and were awarded first premium as the best and finest collection at the Chrysanthemum Shows. Each, 25 cts.; set of 6 different sorts, $1.00; set of 12 different sorts, $1.50; per 100, $8.00.

COLEUS.

The Coleus are the best and cheapest ornamental-leaved plants we have for ornamental bedding, in what is sometimes called carpet style. A few dozen of these plants will make a bed of which no one need be ashamed. There is such an endless variety in their colors and markings that with a little taste in planting varieties the most gratifying results can be obtained at small cost. Plant one foot apart.

Coleus, Glory of Autumn, deep crimson.
— Spotted Gem, yellow ground, spotted.
— Asa Grey, orange crimson, spotted green.
— Little Buttercup, green, yellow center.
— Quadricolor, red, chocolate and green.
— Speciosa, green, yellowish center.
— Firefly, yellow, lilac, crimson and green.
— Starlight, splashed carmine on yellow.
— Eclipse, scarlet, shaded brown.
— Sunbeam, carmine, orange and yellow.
— Kentish Fire, pink, carmine and bronze.
— Golden Gem, deep rose, margined yellow.
— Multicolor, maroon and crimson.
— Picta, marbled yellow-maroon.
— Hero, chocolate-maroon.
— Verschaffelttii, velvet crimson.
Each, 15 cts.; per doz., $1.50; our selection, per 100, $10.00.
Crotons, beautiful leaf markings. Each, $1.00.
Cuphea Hyssophifolia, neat little plant.
— Platycentra (*Cigar Plant*). Each, 15 cts.
Cyclamen, excellent for the house. Each, 25 cts.
Cyperus (*Umbrella Plant*). Each, 20 cts
Coccolba Platyclada, curious plant. Each, 25 cts.
Dicentra Spectabilis (*Bleeding Heart*). Each, 30 cts.
Dracæna Terminalis (*Dragon Tree*).
— Indivisa, grass-like foliage. Each, 75 cts.
Daisies, new strain, double. Each, 15 cts.
Daisy, Paris (*White Marguerite*).
— Golden Marguerite, soft yellow. Each, 20 cts.
Erianthus Ravennæ. Each, 30 cts.
Erythina Crista-Galli (*Coral Plant*). Each, 50 cts.
Eucharis Amazonica (*Amazon Lily*). Each, $1.00.
Eunoymus Japonica Aurea, yellow blotch leaf.
— Argentus, leaves with white margin.
— Radiacans Variegata. Each, 20 cts.

Eupatoriums, Winter flowering. Each, 25 cts.
Ferns, very graceful plants. Each, 25 cts.
Feverfew (*Aurea or Golden*), yellow foliage.
— Double White, Daisy-like flowers. Each, 20 cts.

GERANIUMS.

If put out in May or June will completely fill a bed three or four weeks after planting, and will be a mass of flowers, and continue getting better until blackened by the frosty nights of Autumn. While other plants are wilting under the scorching rays of our Summer sun, the Geraniums seem to glory in the hottest weather. The Geraniums make excellent Winter-blooming plants, if not kept too warm; but for this purpose should be grown in pots all Summer, and the buds picked off as they appear, or plants grown from cuttings in September. Each, 15 cts.; per doz., $1.50; per 100, $10.00.

Special colors in flower or leaf furnished when desired.

The best and most effective scarlet is Gen. Grant. Per 100, $8.00.

Gloxinias, showy plants. Each, 75 cts.
Gazania Splendens, orange flowers Each, 25 cts.
Gardenia (*Cape Jessamine*). Each, 25 and 50 cts.
Gynerium Argentum (*Pampas Grass*). Each, 50 cts.
Heliotrope, in eight sorts. Each, 25 cts.
Hibiscus, Rosa Sinensis, large crimson.
— Cruentus, double crimson.
— Grandiflora, large rose. Each, 20 cts.
Hoya Carnosa (*Wax Plant*). Each, 25 cts.
Hollyhocks, Chater's best. Each, 30 cts.
— Common Double. Each, 25 cts.
Ivies, variegated-leaved. Each, 50 cts.
— English, well-known rapid grower.
— German, or Parlor, smooth glossy leaves.
— Kenilworth, lilac flowers. Each, 25 cts.
Jessamine Grandiflorum (*Catalonian Jasmine*).
Cape, evergreen, white flowers. Each, 25 and 50 cts.
Koniga, Maritima Variegata. Each, 15 cts.
Lantanas, in eighteen sorts. Each, 15 cts.
Libonia Floribunda. Each, 25 cts.
Lobelia, Compacta, compact.
— Speciosa, spreading. Each, 15 cts.
Laurestinus, shrub for the house. Each, 30 cts.
Myrtle, Crape, well known. Each, 25 cts.
Maranta, showy plants. Each, 50 cts.
Mesembryanthemum Cordifolium. Each, 25 cts.
Mahernia Odorata (*Honey Bell*). Each, 25 cts.
Musk Plant, foliage strongly scented. Each, 25 cts.
Oxalis, basket plants. Each, 15 cts.
Passiflora Cœrulea, purple flowers. Each, 25 cts.
Palms, Chamærops Excelsa. Each, $1.00.

PANSIES.

This plant has received special selection and culture, so that the stock offered can be relied on as embracing the best from foreign and domestic collections, comprising the various shades of color with flowers of the largest size and form. Each, 15 cts.; per doz., $1.50.

PETUNIAS (Single).

We offer a very choice collection, selected from many hundreds of finest seedlings, varying through all the shades of crimson, rose, and purple to the purest white, striped, mottled, self-colored and fringed. A solid bed of Petunia plants makes a very effective show of flowers during the entire season, and one that suffers but little on account of too much rain or drought. Each, 15 cts.; per doz., $1.50.

PETUNIAS (Double).

This new race of Petunias is characterized by the immense size of the flowers, and brilliancy of colors, which comprise the varied shades of rose, purple, white, crimson, maroon, pink, etc., beautifully fringed and striped. Each, 25 cts.; per doz., $2.00.

Peperomia, dwarf growing plants. Each, 25 cts.
Pinks, double, clove-scented. Each, 25 cts.
Primroses, Winter plants. Each, 25 cts.
Pentstemon, good border plant. Each, 25 cts.
Pilea Muscosa, Artillery Plant. Each, 25 cts.

ROSES.

Hybrid, Perpetual, or Remontant.



This class of roses is admirably suited for garden culture, for the formation of rose beds, hedges, and permanent plantations, where hardy varieties of roses are desired. They range in color from the purest white to the deepest crimson, with all the intermediate shadings of pink, blush, cherry, carmine and peach, but no yellow has thus far been produced. They are of easy culture, and luxuriate in a deep rich soil. They are benefited by mulching of leaves or strawy manure placed around the roots in the Fall of the year. Prune according to the habit of growth, cutting back close all weak shoots, and shortening the long

ROSES — Continued.

canes to a convenient length. The term Perpetual might lead some to think that they are constant bloomers, as the Ever-Blooming Roses. This is not the case. They flower freely in June, and at short intervals during the Summer and Fall. Each, 35 cts.; per doz., $3.00; strong grafted plants, grown in pots, 50 cts. each, $5.00 per doz.; extra large, 75 cts. to $1.00 each.

Roses, Hybrid, Perpetual:

Alfred Colomb.
Annie de Diesbach, bright rose.
Auguste mie, bright pink.
Baron Prevost, rose, shaded with crimson.
Chas. LeFevre, crimson, purple center.
Compte de Paris, rich blush shade.
Duke of Edinburgh, velvety maroon.
Gen. Jacqueminot, well known.
Geant des Battailles, crimson.
John Hopper, rose, changing to pink.
La Reine, beautiful rose, large.
Louis Carriege, clear carmine.
Mrs. Charles Wood, deep crimson.
Mme. Laffay, transparent rose.
Pæonia, sweetly fragrant, deep red.
Princesse de Matilde, deep blush.
Rev. H. Dombain, dark crimson.
Victor Verdier, rosy carmine, purple edge.

Roses, Ever-Blooming.



These are celebrated the world over for their delicious fragrance and the exquisite forms and rich charming tints of their flowers. They form the largest and most popular section, producing an endless succession of flowers in a favorable clime, and even at the North blooming from the time they are planted until stopped by freezing weather. Each, 35 cts.; per doz., $3.00; strong grafted plants grown in pots, 50 cts. each, $5.00 per doz.; extra large, 75 cts. to $1.00 each.

ROSES — Continued.

Roses, Ever-Blooming:

Alba Rosea, blush.
A. Christople, apricot, large and full.
Adam, carmine-pink.
Aurora, silvery-rose, small buds.
Aline Sisley, violet-red, very fragrant.
Bon Silene carmine, an old variety.
Bouquet de Marie, deep rose, tinged silver.
Clement Nabonnard, outer petals rosy-lilac.
Chas. Rovolli, carmine, changing to rose.
Catharine Mermet, clear rosy-pink.
Cels, pale rose color.
Duc de Cayes, white, shaded yellow.
Duchess de Brabani, soft rosy flesh tint.
Devoniensis, creamy white, pink center.
Fairy Rose, carmine, size of a dime.
Gen. De Tartas fine bedding rose.
Isabella Sprunt, light canary-yellow.
La Tulip, white, tinged rosy-lilac.
Leeveson Gower, rosy-salmon.
La Pactole, pale sulphur-yellow.
La Phœnix, brilliant red, shaded crimson.
Mme. M. Berthon, pure white.
Mme. Falcot, fine apricot yellow.
Mme. De Tartas, carmine.
Mme. H. Jamain, white, shaded pink.
Marie Guillot, white, tinged with yellow.
Marie Sisley, true tea odor, yellow.
Marie Ducher, rich salmon.
Niphetos, purest white, large, full, fragrant.
Pink Daily, clear pink, fragrant.
Queen's Scarlet, dark crimson.
Souv. d'un Ami, clear bright deep rose.
Safrano, exquisite fragrance, apricot yellow.
Stella, light yellow, full and sweet.
Virdiflora, or Green Rose, curious.

Roses, Noisette.

These are strong healthy growers, blooming freely throughout the Summer and Autumn. Their distinguishing characteristic is their cluster-blooming habit. Each, 35 cts.; per doz., $3.00; strong grafted plants grown in pots, 50 cts. each, $5.00 per doz.; extra large, 75 cts. to $1.00 each.

Roses, Noisette:

Cloth of Gold, bright yellow.
James Sprunt, or Climbing Agrippina.
Marechal Niel, a favorite, deep yellow.
Rosamond, bright crimson, vigorous.
Setina, similar to Hermosa.

Roses, Bourbon.

These are not quite hardy, but a very slight protection suffices them. They are continual bloomers, mostly of rapid growth, with rich luxuriant foliage, and are the most beautiful in the Autumn. The flowers are for the most part produced in clusters, and generally of a light color, well shaped, and somewhat fragrant. Some of the freest and most constant blooming roses are contained in this section. Each, 35 cts.; per doz., $3.00; strong grafted plants, grown in pots, 50 cts. each, $5.00 per doz.; extra large, 75 cts. to $1.00 each.

Roses, Bourbon, or Bengal:

Agrippina.
Cramoise, superior, bushy grower.
Compte Bobinsky, crimson-scarlet.
Louis Phillipe, dark velvety-crimson.

ROSES — Continued.

Roses, Climbing, Hardy

For their hardiness and profusion of flowers these recommend themselves to all lovers of the beautiful. They are admirably adapted to cover arbors, walls, and any unsightly objects, and are always ornamental in every situation. Each, 35 cts.; per doz., $3.00; strong grafted plants, 50 cts. each, $5.00 per doz.

Roses Climbing Hardy:

Prairie Queen, dark red, changing to pink.
Baltimore Belle, pale blush, nearly white.
Greville, or Seven Sisters, rosy red, one of the best.

Moss Roses.

Moss Roses are very popular, and much admired for their beautiful buds, which are covered with a moss-like texture. They are perfectly hardy. Being difficult and slow to propagate, the price is necessarily higher than other Roses. Each $1.00; per doz., $10.00.

ROSES — Continued.

Moss Roses:

Aphelis purpurea, violet purple, large and full, very double and full.
Eliza Rowe, light rose.
Henry Martin, dark rose color.
Mrs. Wood, deep red, tinged purple.
Mad. De la Rochelambert, fine clear rose.
Princess Adelaide, pink, blooming in clusters, often called "Climbing Moss."
Raphael, pinkish white.
White Perpetual, white.

Salvia, Splendens, spikes brilliant scarlet. Alba, pure white. Each, 15 cts.
Sedum, good for rockeries. Each, 20 cts.
Stevia, Compacta, showy white flowers.
Serrata Variegata, leaves edged white. Each, 15 cts.
Selaginellas, beautiful mosses. Each, 15 cts.
Smilax, well known. Each, 15 cts.; per doz., $1.50.
Thyme, Golden, fragrant foliage. Each, 15 cts.
Tradescantia, Multicolor. Each, 20 cts.
Verbena, all colors. Each, 10 cts.

Fruit and Ornamental Trees,

HARDY SHRUBS, GRAPE VINES, SMALL FRUITS, HEDGE PLANTS, Etc.

FRUIT TREES.

In ordering Fruit Trees from us, our customers can rest assured that none but well-grown, strong and healthy stock will be sent out. Special care has been taken to insure correctness of name — a fact of no small importance. In addition to the varieties named below, we can supply many others.

Apples. 50 cts. to 75 cts. each; large size, $1.00.

Alexander.
Baldwin.
Early Harvest.
Fameuse.
Fall Pippin.
Gravenstein.
Golden Russet.
Hubbardston Nonesuch.
Jersey Sweet.
King of Tompkins Co.
Ladies' Sweet.
Maiden's Blush.
Northern Spy.
Porter.
Red Astrachan.
R. I. Greening.
Roxbury Russet.
Sweet Bough.
Tetofsky.
Tolman Sweet.
Williams Favorite.
Yellow Bell-flower.

Crab Apples.

Hyslop.
Red Siberian.
Transcendent.
Yellow Siberian.

Apricots. 50 cts. each.

Early Golden.
Moor Park.

Cherries. 75 cts. each; large size, $1.00 each.

Black Tartarian.
Black Eagle.
Black Heart.
Coe's Transparent.
Downer's Late.
Elton.
Early Richmond.
Gov. Wood.
Knight's Early Black.
May Duke.
Rockport Bigarreau.
Yellow Spanish.

FRUIT TREES.

Peaches. 25 cts. and 50 cts. each, according to size.

Alexander.
Amsden's June.
Coolidge Favorite.
Crawford Early.
Crawford Late.
Early York.
Foster.
Grosse Mignonne.
George IV.
Hale's Early.
Mountain Rose.
Old Mixon Free.
Red Rareripe.
Stump of the World.
Yellow Rareripe.

Pear Trees. Trees of good size and quality, $1.00 and $2.00 each. Our stock of Pears includes all the popular varieties, of which we enumerate a few:

Bartlett.
Beurre Bosc.
Beurre d'Anjou.
Beurre Clairgeau.
Beurre Diel.
Beurre Hardy.
Beurre Superfine.
Bell Lucrative.
Brandywine.
Buffum.
Clapp's Favorite.
Dana's Hovey.
Doyenne Bousock.
Doyenne du Comice.
Doyenne d'Ete.
Duchesse d'Angouleme.
Elizabeth.
Flemish Beauty.
Howell.
Lawrence.
Louise Bonne de Jersey.
Seckle.
Swan's Orange.
Sheldon.
Urbaniste.
Vicar of Winkfield.
Winter Nellis.

Plums. 75 cts. to $1.00 each, according to size.

Bradshaw.
Coe's Golden Drop.
Early Orleans.
Gen. Hand.
Imperial Gage.
Jefferson.
Lawrence's Favorite.
Lombard.
Peach.
Smith's Orleans.
Washington Bolmar.

Quinces.

Orange or Apple, 50 cts. to 75 cts. each.
Champion, $1.00 each.

ORNAMENTAL TREES.

Ash. 50 cts.; extra size, $1.00 to $1.50 each.
White American. European Mountain.

Beech. American, 30 cts. each; extra size, $1.00 to $2.00 each.
Purple, $1.00 to $2.00 each.
Cut-leaved, $1.00 to $2.00 each.

Birch. Canoe or Paper, 50 cts. to $1.00 each.
Weeping Cut-leaf, $2.00 each.

Horse-Chestnuts. White, $1.00 to $1.50 each.

Elms. American, Scotch, and English, 75 cents each. Extra size, $1.00 to $2.00 each.

Linden. American and European, 50 cents. Large trees, $1.00 and $2.00 each.

Magnolias. M. Acuminata, M. Tripetala, 50 cents to $2.00 each.

Maples. 75 cts. to $1.50 each.

Norway Maple. Rock Maple.
Sycamore Maple. Scarlet Maple.
Wier's Cut-leaved. White or Silver Maple.
Purple-leaved Maple.

Poplars. 50 cts. to $1.00 each.
Silver-leaved, Balsam, Italian, Nestarius.

Weeping Trees. $1.00 to $2.00 each.

Weeping Ash. Weeping Mountain Ash.
Weeping Elm. Weeping Kilmarnock Willow.
Weeping Willow. Weeping Birch.

Coniferous Trees for Hedges.

Arbor Vitæ, American, 1½ ft. to 2 ft., $20.00 per 100; 2 ft. to 3 ft., $25.00 per 100.
Norway Spruce, 2 ft. to 3 ft., $40.00 per 100; 3 ft. to 4 ft., $50.00 per 100.
Hemlock Spruce, 2 ft. to 3 ft., $40.00 per 100; 3 ft. to 4 ft., $50.00 per 100.

HARDY SHRUBS.

50 cents each, except those noted. A collection of one dozen, $5.00.

Hardy Shrubs.

Althæas, or Rose of Sharon, double, variegated and purple; handsome shrubs.
Althæa; new variegated; foliage beautifully edged with white.
Calycanthus floridus, or Strawberry Tree; very fragrant blossoms.
Catalapa Kaempferi, a dwarf and handsome species from Japan.
Clethra anlifolia, one of the finest shrubs, with fragrant, white flowers.
Daphne cneorum, evergreen, with fragrant pink flowers, beautiful.
Deutzia crenata pleno, beautiful, with spikes of double blush flowers.
Deutzia crenata pleno alba, double, with pure white flowers.
Deutzia gracilis, one of the most popular and beautiful shrubs.
Deutzia purpurea pleno, with spikes of darker colored flowers.
Deutzia scabra and crenata, two fine shrubs.
Deutzia variegata, beautiful variegated foliage.
Deutzia Fortunei, deep green foliage, and large white flowers.
Hydrangea paniculata grandiflora, a magnificent shrub, with immense clusters of white flowers, very showy. 50 cts. to $1.00
Hydrangea quercifolia, handsome foliage and white flowers.
Hydrangea nivea, beautiful silver foliage, and white flowers.
Honeysuckle White Tree (Iberica), very handsome white flowers.
Hawthorn, Paul's new double scarlet, superb, dark scarlet flowers. $2.00.
Magnolia conspicua, very large white flowers, blooming in April. $2.00.

HARDY SHRUBS — Continued.

Hardy Shrubs.

Magnolia Soulangeana, large blush, flowering in April. $2.00.
Magnolia Lenne, with very large purplish flowers. $2.00.
Pyrus Japonica, eight new varieties, crimson, rose, edged and yellow.
Purple Barberry, very showy, dark purple foliage.
Smoke Tree (Purple Fringe), a very handsome shrub.
Syringas, several very fine varieties.
Syringa sinensis, large clusters of reddish-purple flowers.
Spiræa callosa, a handsome shrub, red flowers.
Spiræa alba, beautiful white flowers.
Spiræa Thunbergii, new, covered with small white flowers, fine foliage.
Spiræa trilobata, Reevesii pleno, prunifolia pl., and several others.
Viburnum plicatum, one of the finest shrubs, producing a profusion of globular heads of pure white flowers. $1.00.
Viburnum lantanoides, handsome, with large clusters of white flowers.
Viburnum opolus (Snowball). An old, beautiful and favorite shrub.
Weigelia rosea and alba, beautiful shrubs, flowering in June.
Weigelia Desboisi, very dark crimson flowers, fine.
Weigelia hortensis nivea, with pure white flowers.
Weigelia variegata, foliage beautifully edged with white.
White Fringe-Tree, beautiful hanging clusters of pure white flowers.

And upwards of one hundred kinds of the older and well-known shrubs, by the dozen or hundred.

HARDY CLIMBING PLANTS.

50 cts. each, except those noted.

Hardy Climbing Plants.

Akebia quinata, rapid growing, with dark, fragrant flowers. 30 cts.
Aristolochia sipho (Dutchman's Pipe), very large flowers, and curious foliage. $1.00 each.
Ampelopsis Veitchii ("Japanese Ivy," "Boston Ivy"), fine for wall coverings. Each, 25 cts.; per doz., $2.50.
Bignonia, or Trumpet Flower, handsome scarlet.
Clematis flammula ("Virgin's Bower"). With very fragant white flowers, in clusters.
Clematis Jackmanii, one of the best new English Hybrids, producing deep violet-purple flowers of velvety softness, distinctly veined white. $1.00.
Clematis Coccinea (new), scarlet, very fine.
Honeysuckles, Japan Variegated. 30 cts.
Honeysuckles, Hall's New, from Japan, pure white, fragrant and fine.
Honeysuckles, Scarlet Trumpet, monthly blooming, scarlet flowers.
Honeysuckles, Variegated Monthly, fragrant, yellowish-white flowers.
Honeysuckles, Japan Evergreen, foliage nearly evergreen.
Roxbury Wax Work (Celastrus). Very handsome.
Roses, Climbing. Each, 35 cts. and 50 cts.
Wistaria, Chinese Purple, the finest of climbing plants, purple flowers. 50 cts. to $1.50, according to size.
Wistaria, Chinese White, similar, but with white flowers. $1.00.
Wistaria, Double Chinese, fine double flowers. $2.00.

HARDY GRAPE VINES.

Two-year old, 50 cents, except those noted.

Our collection includes all the really valuable varieties that can be recommended for general culture.

Hardy Grape Vines.

Brighton, a red grape, of good size, excellent quality, largely planted, and deservedly popular.

HARDY GRAPE VINES — Continued.

Hardy Grape Vines.

Delaware, well-known little grape, unsurpassed in quality, and in adaptability to this section; more vigorous and productive as the vine attains age.

Duchess, an early, new white grape, of finest quality. Each, 75 cts.

Early Victor, the earliest black grape, decidedly better than Concord, of medium size, rich and excellent quality, perfectly hardy, and free from mildew. Each, $1.00.

Jefferson, unsurpassed in quality, berries large, oval, light red, juicy, and vinous, and ranked as "best" by Charles Downing. It ripens about with the Concord, and makes a vigorous, healthy growth. Each, $1.00; per doz., $9.00.

Lady, the earliest white, perfectly healthy and hardy, good quality, productive.

Moore's Early, much resembles the Concord, except that it is two weeks earlier, and its berries are larger. Two-year, each, 75 cts.; per doz., $6.00.

Pocklington, another pure native of the Concord type, but golden-white in color, bunches and berries large, and very showy; keeps well; is hardy and vigorous, and promises to be a profitable market grape. Each, $1.00.

GRAPE VINES FOR GRAPERIES.

These plants are raised from cuttings of BEARING vines, and all grown in pots. During the last thirty years we have supplied thousands of vines to cultivators in all parts of the country. We supply all the leading and new varieties. Price, each, 75 cts.; per doz., $8.00. Extra size, each, $1.50 to $2.00.

STRAWBERRIES.

Our collection includes all the really valuable varieties which have been found worthy of general cultivation. Price, $1.50 per 100. All sorts not enumerated here can be supplied at market prices.

Strawberries.

Charles Downing, a general favorite; medium to large, and of superior quality. If given good care, a bed will last four or five years.

Crescent Seedling, good size, and of fair quality; the plant is a prodigious bearer, and for slight attention gives very great satisfaction.

Hervey Davis, large, handsome, and of excellent flavor.

James Vick, an unusually vigorous grower; fruit bright scarlet, and unequalled in productiveness.

Hovey's Seedling, the largest and finest Strawberry in cultivation.

Jersey Queen (P), one of the best late Strawberries in cultivation; very productive, fruit large, broadly conical, scarlet; flesh firm and melting, full of a rich vinous juice, with a delicious aroma.

The Manchester, a strong grower, does not rust, and is wonderfully productive, bearing uniformly large fruit, of a bright glossy scarlet; quality good.

Sharpless, superb in every respect; one of the largest and best of the late varieties, and does better the second year than the first; fruit rather irregular in shape; bright red, moderately firm, sweet, good quality.

Wilson's Albany, the old reliable standby for market; succeeds well on almost any soil. One of the best berries; of good size.

RASPBERRIES.

Raspberries.

Cuthbert, a new variety of the greatest excellence; perfectly hardy; tall, vigorous, and enormously productive. Berries very large; conical; rich crimson. Flavor rich, luscious, best. commences to ripen moderately early, and holds on till all others are gone. Per doz., $1.00; per 100, $5.00.

Gregg, the largest black-cap; ripens a little later than the Mammoth Cluster. Per doz., $1.00; per 100, $5.00.

Herstine, a good grower, bears early and abundantly; hardy, and very productive; fruit large, firm, bright crimson, with small grains. Per doz., $1.00; per 100, $5.00.

Hansel, the earliest of all Raspberries, bright red color, fine shape, and great firmness; hardy as the Turner; a good grower and productive. Per doz., $1.50; per 100, $10.00.

Souhegan, an excellent black-cap variety, very early. Per doz., $1.00; per 100, $5.00

Turner, very early; berries large, bright crimson of the most delicious flavor; plant thrifty, and bears enormous crops, remaining in fruit a long time. Per doz., $1.00; per 100, $5.00

BLACKBERRIES.

Blackberries.

Dorchester, yields fine crops of fruit; large size; long glossy-black, of good flavor. Per doz., $1.00; per 100, $5.00.

Early Harvest, one of the earliest Blackberries, ripening two weeks before Wilson's Early, of fair size, long form, a splendid shipper, and of good quality; hardy, and excessively prolific. Per doz., $1.50; per 100, $8.00.

Kittatinny, large, roundish, conical, glossy-black, juicy, sweet, excellent when fully ripe; most valuable sort for general planting. Per doz., $1.00; per 100, $5.00.

Wachusett, fruit of medium size, oblong oval, moderately firm, sweet, and of good quality. A good keeper, ships well, and is therefore valuable as a market berry; hardy, and *comparatively free from thorns*. Per doz., $1.00; per 100, $5.00.

CURRANTS.

Currants.

Cherry, a strong growing variety; fruit of the very largest size, bunches short, berries deep red, and rather acid; most valuable for market. Per doz., $1.00; per 100, $5.00.

Black Naples, vigorous and productive; used for jelly and jams, and highly profitable for market in some sections. Per doz., $1.00; per 100, $5.00.

La Versailles, vigorous grower, productive, fruit of the largest size, dark red. Per doz., $1.00; per 100, $5.00.

White Grape, the best white variety, large, sweet and good; best for the table; a good bearer. Per doz., $1.00; per 100, $5.00.

GOOSEBERRIES.

Gooseberries.

Downing's Seedling, light green, smooth, soft and and juicy. Per doz., $1.50.

Houghton's Seedling, pale red, tender, sweet and delicate. Per doz., $1.50.

Smith's Seedling, large light green, firm, sweet and fine. Per doz., $1.50.

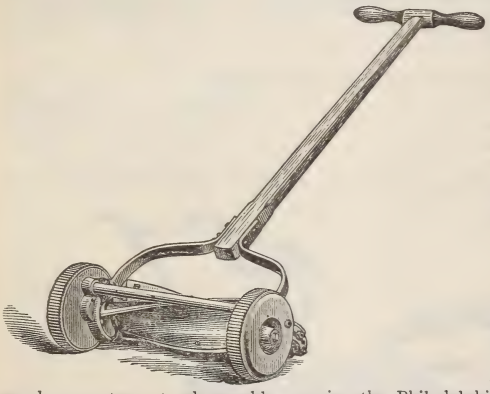
English Gooseberries, large fruited sorts, very fine. Per doz., $3.00.

AGRICULTURAL IMPLEMENT DEPARTMENT.

Encouraged by the liberal patronage bestowed on us during former years, we take pleasure in informing you that for the season of 1886 this department has been enlarged and improved, and we are prepared to supply our customers with the most Improved Tools and Machinery for use on the farm, garden, and lawn. In the following pages we bring to your notice a few of our leading specialties only, and if you should be in want of anything not described we solicit your correspondence, and will use every endeavor to supply your needs. We shall keep only first-class goods, and hope by so doing that we shall merit a continuance of your patronage.

THE PHILADELPHIA LAWN MOWERS.

1886.



We take great pleasure in again presenting our customers with the BEST LAWN MOWER IN THE MARKET. Their great merit is shown by the fact that there are over 250,000 machines in use in the United States and Europe, and in every instance they have given perfect satisfaction. The market is crowded with poor imitations, which in some patterns, work nicely the first year, but afterward have to be thrown into the old iron and sold as such. On the other hand we find daily, Philadelphia Mowers that have been in active use from seven to ten years, and having had proper attention during that time, are giving good satisfaction to-day.

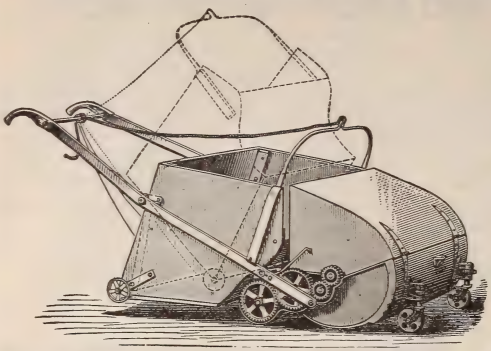
We feel convinced that no other Lawn Mower can show so clean a record as this, and we earnestly recommend our patrons to thoroughly examine the Philadelphia, before purchasing any other. To show their popularity, we mention the fact, that they are the only mowers used on our beautiful Boston Common and Public Gardens. Below we give a description of the different sizes.

HAND MACHINES.

PRICE LIST.

Style.	Width of Cut.	Weight.	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
"THE CITY."	10 inches,	22 pounds	$11.00	$7.00
" "	12 "	24 "	13.00	8.00
" "	14 "	26 "	15.00	9.00
Style D. 10 inches.	6½ inch Wheels.	26 "	13.00	8.00
" D. 12 "	6½ " "	28 "	15.00	9.00
" D. 14 "	6½ " "	30 "	17.00	10.00
This style especially recommended for small places.				
Style M. 14 inches.	7 inch Wheels.	36 pounds	17.00	10.00
" M. 16 "	7 " "	38 "	19.00	11.00
This style having silent ratchets is especially recommended for private grounds.				
Style M. 18 inches.	7 inch Wheels.	44 pounds	21.00	12.50
" M. 20 "	7 " "	46 "	23.00	13.50
" 1879. 15 "	8½" "	51 "	19.00	11.00
This style having spring ratchets is especially recommended for parks and public grounds.				
Style H. 14 inches.	7 inch Wheels.	37 pounds	17.00	10.00
" H. 16 "	7 " "	39 "	19.00	11.00
" H. 18 "	7 " "	44 "	21.00	8.00
Attachment for collecting the cut grass			10.00	8.00
This style has an open wiper and runs at high speed.				

THE PHILADELPHIA LAWN SWEEPERS.



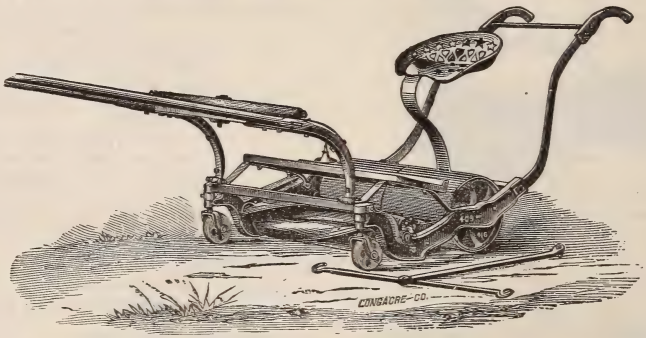
In connection with the Hand Lawn Mower, we wish to call attention to the *Philadelphia Lawn Sweepers*. These are coming into use more and more each season, and the perfect manner in which they do there work is simply wonderful. They remove all cut grass and leave the lawn in a beautifully smooth and velvety condition. A person having a fine lawn of any extent will find one of these machines to be indispensable, and will be amply repaid by the excellent condition in which it leaves his grounds

They are very simple in construction. A driving roller gives motion to a revolving brush placed directly in front, causing it to sweep the sod clean and throw the sweepings backward from the top of the brush into a large box in the rear of the roller. In the horse-machines this box can be dumped without stopping.

PRICE LIST OF LAWN SWEEPERS.

	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
Hand Machine, sweeps 24 inches wide	$18.00	$17.00
Horse Machine, sweeps 40 inches wide	70.00	66.50

THE PHILADELPHIA HORSE LAWN MOWERS.

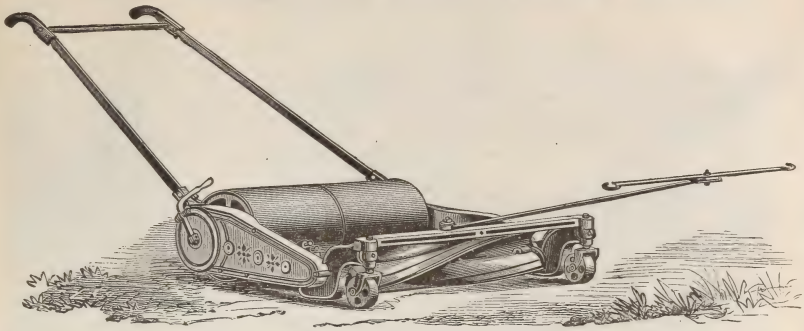


To those who are the fortunate possessors of lawns so large that the use of a hand mower would become tedious, we offer the *Philadelphia Horse Lawn Mower*, feeling confident that it will do its work in a thorough manner, with a great saving of time and labor. This machine is made of iron and steel, with but very little wood used in its construction, and is therefore the most durable machine in the market. All the gearing is amply protected, which is a very important item in its construction, as it prevents all clogging, a common fault in all other machines. As shown above with shafts and seat, it is intended to be used on large, open grounds, and any one capable of driving a horse can handle it so as to do excellent work. As shown in the following cut with draft rod, it is especially adapted to hilly and uneven lawns where there are many walks and much shrubbery

On such lawns there is no lawn mower made that will equal them in *convenience* of operating, *keeping in order*, and quality of work. Being of very light draft and easily guided around obstructions and turned in every small space, they can be used on any ground where a horse can get through without anything attached to him.

As the machines will work equally well without the castor wheels, and with the horse walking to one side, they can be used in wet weather without leaving horse and castor wheel tracks; and in hot, dry weather, an even, green sward can be left, of sufficient height to protect the grass roots, *which cannot be done* with a machine in which it is necessary for the *horse and castor wheels to press down the grass in front of the cutters.*

THE PHILADELPHIA HORSE LAWN MOWERS.



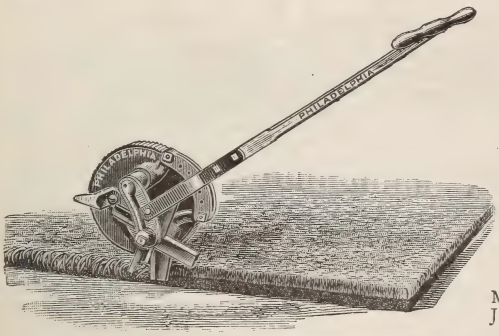
The 36 inch cut Horse Lawn Mower is intended for parks and large open grounds, and are constructed in the most thorough manner with steel shafting, brass bushing, &c., and must be examined to be appreciated. The frame is jointed so as to admit of the cutters being raised by the driver while in motion. The spiral blades are attached by bolts and sett screws, so they can be taken off and ground; also many other very important improvements.

The price is high, but we design it to be what it is,—*The best Horse Lawn Mower for Parks ever made.*

HORSE LAWN MOWERS.

PRICE LIST.

	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
30 inch, with Draft Rod, Light Horse, 315 pounds	$100.00	$80.00
30 " " Shafts and Seat, Light Horse, 350 pounds	120.00	85.00
36 " " " " " " " 450 "	160.00	145.00



THE PHILADELPHIA LAWN EDGER.

This is a recently patented machine, invaluable for trimming the edges of driveways, walks and borders, where the lawn-mower wheels leave the grass uncut, and which by the old method had to be trimmed with shears. We are confident it will have a large sale with all who desire a nicely kept lawn.

Manufacturer's price, . . $7.00
J. Breck & Sons' net cash price, 6.00

As a conclusion to the foregoing description of the Philadelphia Lawn Mowers, etc., we wish to say that, in purchasing a lawn mower be kind enough to bear in mind the three following suggestions, also the fact that we guarantee every machines to be exactly as represented.

DO NOT BUY A LAWN MOWER having the spiral blades riveted on; your man will strike stones, and it is possible to batter and nick the best steel, and then how are you to get the machine fixed so it will work?

DO NOT BUY A LAWN MOWER that is not arranged so that the knives will sharpen themselves while cutting the grass, for if you do it will prove a never ending source of annoyance.

BUY A PHILADELPHIA LAWN MOWER, follow the printed directions, and it will be sure to please you.

We will mail free on application, circulars of the Philadelphia Lawn Mowers, etc., giving full description of each machine.

THE THOMAS SMOOTHING HARROW, CULTIVATOR AND PULVERIZER COMBINED.



Any machine that will save labor and make better crops at less expense is an invaluable acquisition to the farmer. The Thomas Smoothing Harrow has been thoroughly tested, and we can safely say that it will do better work and make better crops than any other implement of the kind in the market.

It smooths all soils in a superior manner, and surpasses all implements in use for the cultivation of young growing crops

For corn at any and all times, after plowing the ground and before it is ten inches high, we freely use this harrow to break up the hard surface after rain, to kill the weeds and keep the soil light. It effectually kills all young weeds and loosens the soil both in the hills and between the rows, without injuring the corn. It surpasses for these purposes the most thorough work of cultivator, hoe and fingers combined. With it a man can thoroughly pulverize the soil, eradicate all the weeds in ten acres as soon as he can one acre with any other implement.

For potatoes and cotton it is nearly as useful as for corn, and is used in the same way.

For winter wheat it is the best implement. Wheat as well as corn is greatly benefitted by spring culture. While other harrows break the roots and loosen the plants, the slanting teeth of this slide over them and push them into the loosened soil, while they kill all small weeds and open the soil to the heat of the sun and the stimulating gases

Spring wheat, barley and oats should be well cultivated with the harrow after they get a good start.

For all crops above named this thorough culture produces such prompt and rapid growth as to make earlier and better crops. It enables the farmer to lay by his corn well grown before harvest; and the crop itself will be so far advanced as to be better able to stand the drouth of our summers.

Any one who cultivates ten acres of corn can make enough in the saving of labor and increase of crops to pay for one of these harrows every year.

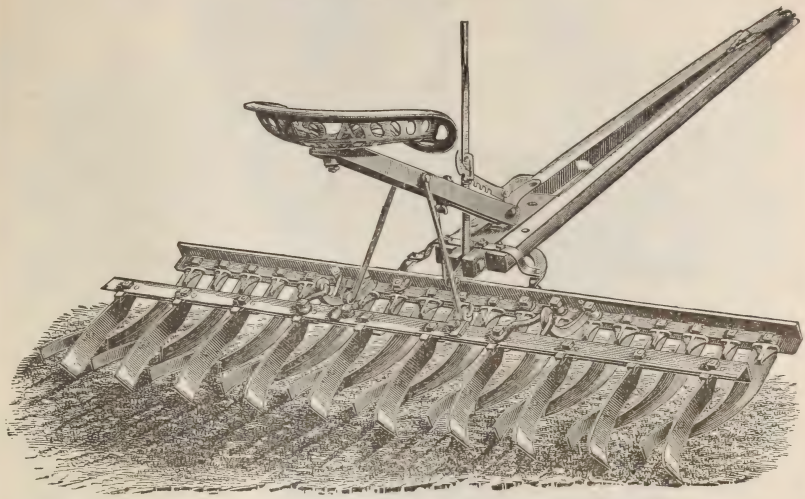
When with a seat, or weighted, this harrow makes an excellent pulverizer.

PRICE LIST.

	Manufacturers' Prices.	J. Breck & Sons' Net Cash Prices.
No. 2. 2 section, 48 teeth, 6½ feet spread	$15.00	$13.50
" 31. 3 " 72 " 9½ " "	20.00	18.00
Seats extra	3.50	2.50

Pamphlets giving a treatise on corn culture and a complete description of the harrow mailed on application.

"ACME" PULVERIZING HARROW, CLOD CRUSHER AND LEVELLER.



This invention, the production of Mr. Frederick Nishwitz, the original inventor of the Disk or Wheel Harrow, is the result of a long series of experiments in which he became convinced that the disk harrow is adapted only to superficial pulverization. Being himself a practical farmer, as well as a mechanic and inventor, and feeling the need of a thorough pulverizer in his own farming operations, he conceived the plan of combining a clod crusher, leveller and harrow in one implement.

His aim was to accomplish the most thorough work with the least expenditure of time and labor, and his success has been truly marvellous, as is shown by the result, viz., the production of an implement which weighs much less than other pulverizing harrows, sells about one-third less, and withal does the most thorough work of any.

The "ACME" has been subjected to the most thorough practical tests in all sections of the country, which establishes, beyond doubt, the fact that it is the best implement of its class yet produced. In fact, it is the only pulverizer combining a clod crusher, leveller and harrow performing the three operations at one time, and is believed to be the only one yet offered that will do its work thoroughly on all kinds of ground, leaving the soil in a light, loose condition, just as the farmer desires to have it.

While it is invaluable for all purposes where a harrow is needed, it is peculiarly adapted to hard clay and inverted sod, and to ground which has become packed and baked after plowing, as well as to levelling uneven land.

The following testimonial, taken from a great many received, serves to show how universally the "Acme" Harrow is liked. Complete descriptive circulars, and book of testimonials mailed on application.

NORTH ANDOVER, ESSEX CO., MASS., Oct. 1, 1883.

MESSRS. JOS. BRECK & SONS,

Dear Sirs: I would say that the "Acme Harrow," bought of you last Spring, is the very best harrow that I ever used to make a seed-bed for any kind of crop, and especially to harrow in oats, or any grain that is sown broadcast. In fact, a good farm is not well equipped without one.

Yours respectfully,

(Signed) J. C. POOR, Manager for Hon. W. A. Russell.

PRICE LIST.

		Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
No. 6.	For Two Horses	$25.00	$24.00
" 7.	" Three Horses	29.00	28.00
" 8.	" Four Horses	51.00	50.00
" 9.	" Six Horses	59.00	58.00
Size A.	" One Horse	25.00	23.00

KEMP'S PATENT MANURE SPREADER.

It has been well said that the "manure pile is the farmers' bank." Upon it depends his crops and his success in farming, No farmer has manure enough. He can always find use for more than he has. It is therefore of first necessity that he shall employ it to the best advantage and get all the good there is in it. We believe that every farmer can largely increase the value of his manure pile by its proper application, by thorough pulverization and even spreading. This can be easily done with the Kemp's Manure Spreader, which will thoroughly and evenly spread



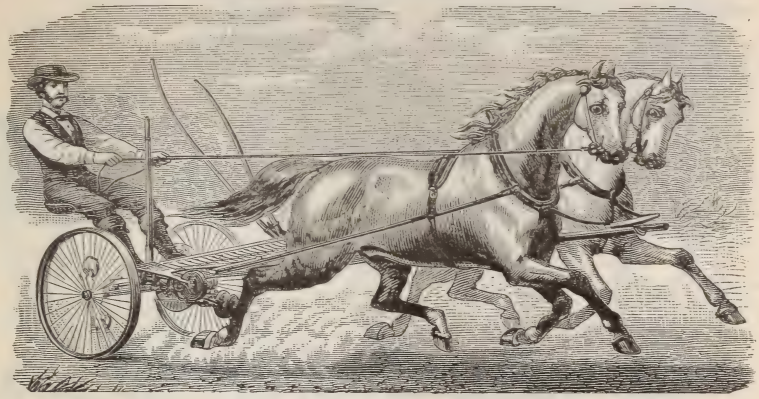
all kinds of manure found upon the farm, from the roughest and toughest down to the finest, including ashes, in all conditions, wet or dry, and the time required to spread a load is from one and a half to two minutes, without manual labor. It can be regulated to spread different quantities of manure to the acre. The Spreader has been in use for five seasons, and there are now over one thousand of them in the hands of the best farmers in New England, many of whom report that their Spreader paid for itself in the first season.

PRICE LIST.—Spreader without forward wheels, $100; forward wheels, $25.00 extra.

Illustrated and descriptive pamphlets of the Kemp's Manure Spreader mailed free on application.

THE NEW MODEL BUCKEYE MOWER.

The Standard Mowing Machine of America.



The BUCKEYE has been for twenty-five years the Standard Mower of America. It has been tested every way by practical results, and by comparison in field trials with all competitors, many of which have passed out of use. Its merits are *efficiency*, *simplicity* and *durability*.

It has demonstrated that it will do all the work that can be done with a mowing machine. It does its work perfectly, while it has a fewer number of parts than any other machine, and these so arranged as in every way to carry out the best mechanical principles. It is the most reliable of farm implements.

There are Buckeyes still doing good service, that have been in use from fifteen to twenty-five years. But those who are only familiar with the old Buckeye, do not fully know the merits of the NEW MODEL BUCKEYE, which as far surpasses all the other mowers of today, as did the Buckeye of twenty-five years ago its competitors of that period.

It has constantly been subjected to improvements carefully studied, in the direction of simplicity and durability. The improvements of the present season are especially excellent in these respects.

The New Model Buckeye of 1882 contains less pieces than any other mowing machine. Its few parts are so simple that they can be kept in order by any one who knows enough to handle a team. There is positively no work in the hay field of any kind or description that can be done with a mowing machine, that the New Model Buckeye cannot do; while its double jointed perfect floating cutter-bar, adapting itself to all irregularities of surface, and many other long and fully tested features of construction, enable it to do a great deal of work that other machines cannot do. It will cut any and all kinds of grass under any and all conditions, wet or dry, heavy or light, thick or thin.

To sum up, the New Model Buckeye will perform all work that can be done with a mowing machine and meet every practical demand of the hay field.

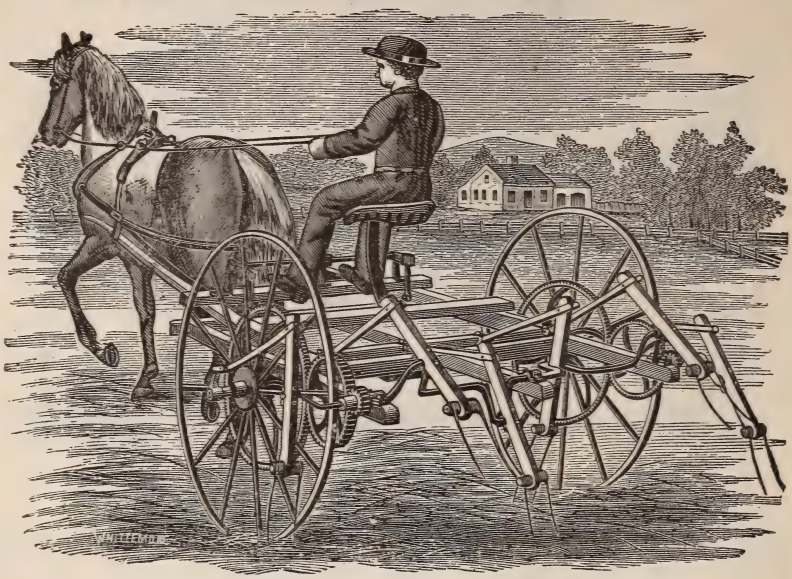
PRICE LIST.

		Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
No. 1.	Cuts a swarth 4 feet 6 inches	$75.00	$70.00
" 2.	" " " 4 feet	70.00	65 00
" 3.	" " " for one horse, 3 feet 6 inches	65.00	60.00

Each machine is furnished with two complete scythes, two extra knife sections, two extra guard fingers, screw wrench, punch, cold-chisel, oil can, rivets, bolts and whiffletrees, evener, and neck-yoke.

On application we will mail pamphlets presenting some of the leading facts relating to the New Model Buckeye Mowers, to which we earnestly commend the attention of farmers.

THE IMPROVED BULLARD HAY TEDDER.



This Tedder has been submitted to the severest test of field work in this country and Europe, and is admitted to be the only one yet offered to the public that will thoroughly spread long, heavy grass, taking it up from the bottom, tossing it gently into the air, and leaving it light upon the ground for the free access of sun and air. By its feature of construction *found in no other tedder, its forks extend outside and in the rear of the wheels*, thus the wheels are always inside and in front of the forks, and no hay that has been tedded is run over and matted down, as is the case with all other tedders where the wheels are outside the forks, since in passing back and forth one wheel must either lap over upon the tedded hay to get a full width or some of the hay be left without being tedded.

By its movement the forks are inserted beneath the hay with a quick, plunging stroke that is almost the exact motion of a fork in the hands of a brisk and skillful man, tossing and shaking the hay thoroughly from the bottom.

The forks can never be clogged, but instantly clear themselves in heavy grass—just where the work is most needed. This is impossible with other forms of tedders. By means of a lever the operator can raise or lower the forks to pass obstructions or adapt them to rough ground The forks having spiral springs, meet obstructions without injury—the simplest and best fork attachment known.

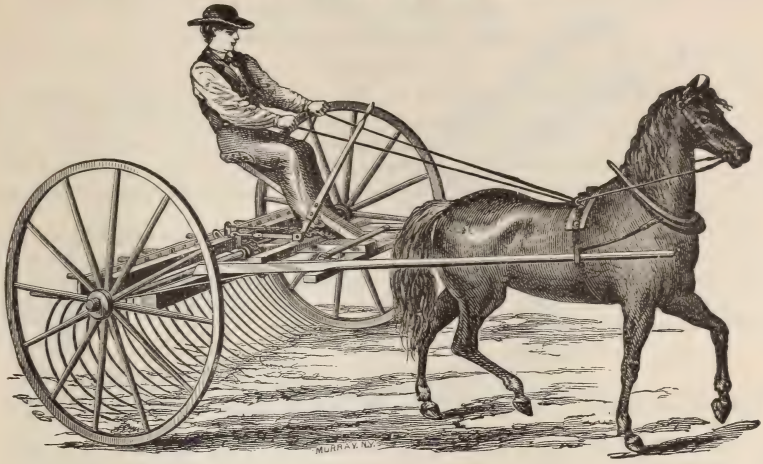
The Improved Bullard Tedder will spread four acres of heavy grass in an hour, accomplishing the work of six or eight men. It does its work so thoroughly that the hay may be taken to the barn in the best condition the very day it is cut, for its draft is so light, that without injury to the horse, the tedder can be kept going constantly during the process of curing. It does the work so quickly that the process of turning the hay can be several times repeated.

The value of a tedder cannot be understood from a poor and inferior machine. The Bullard Tedder gives full effect to every hour of sunshine.

Price.....$50.00.

Send for illustrated and descriptive catalogue of the Bullard Tedders; mailed free of expense.

THE TIGER RAKE.



The selection of a Sulky Hay Rake, which is now considered an indispensable implement on every well regulated farm, is a matter of considerable importance to the farmer, and should command his most careful attention. We do not claim to sell the only good reliable Rake on the market, but the manufacturers in the past five years have made and sold over 50,000 TIGER SELF-OPERATING RAKES, and if there is one of these Rakes that has ever failed to do its work under any circumstances or condition of crop, or that has failed to satisfy the purchaser in every particular, we have never heard of it; and it is gratifying to know that in localities where they are already the most numerous, the demand is the greatest.

The Tiger Rake belongs to that class that are termed "Self-operating" or "Horse-dump" Rakes. In Rakes of this class the labor of discharging the gathered load is transferred to the horse, instead of devolving upon the driver, and the latter is, therefore, relieved of the work which in hand-lever Rakes is always more or less arduous.

The discharge is accomplished by simply pressing the foot upon a chain conveniently arranged for that purpose, and the teeth are thereby locked to the rotating axle, and, after being tilted and contents discharged by the movement of the horse, are automatically released and resume their work.

Any boy or girl that can drive a horse can rake with it as well as the strongest man, as the horse does all the hard work; and this is a very important feature, for it is a notorious fact that farm labor is always scarce and high in harvest time.

The teeth, which are the most important part of a Rake, are made of the best spring steel, tempered in oil, and each tooth is subjected to a severe test at the Factory, and are warranted to stand severest usage.

The teeth run lightly on the ground, are easily adjusted, at the will of the operator, to any desired position, and will rake heavy green hay as well as light.

The Rake is constructed of the best selected wood, iron, and steel, by experienced workmen, with machinery especially adapted for the purpose.

We ask those who design to purchase a Hay Rake for the coming harvest, to read and examine the points peculiar to the Tiger, then, go to any neighbor who has used one and learn what is thought of it,—for the owners of the Tiger are its friends and strongest advocates, and to them we confidently and with pleasure refer.

PRICE LIST.	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
20-teeth Rake	$35.00	$30.00

On application will mail illustrated and descriptive circulars of the Tiger free.

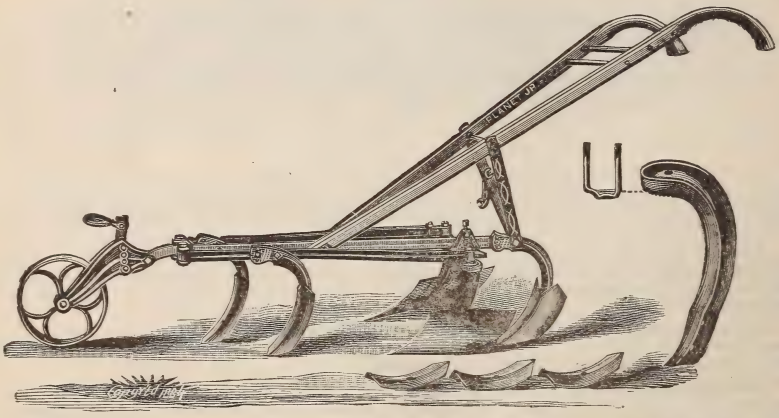
"THE PLANET Jr." AND "FIRE-FLY"

Farm and Garden Implements.

In this edition of our Annual Catalogue we offer the following careful description of "The Planet Jr." and "Fire-Fly" tools, accompanied by ample illustrations, which we trust will enable every one interested in the culture of the soil to understand their use, and appreciate their value. Whilst the past season has been noticeable for many flattering reports from practical men using our tools, it has also enabled us by careful tests in the field, to greatly improve some of them and to add much new value.

The "Planet Jr." goods combine lightness with strength, adjustability with firmness, simplicity with perfection of work, and thorough practical value with beauty of design. The line is so complete that no one desiring such goods for Farm or Garden can fail to find one or more of the list adapted to his wants, while the different implements are each so carefully adapted to their intended uses as to insure satisfaction to the owner.

THE PLANET Jr. HOLLOW STEEL STANDARD HORSE HOE AND CULTIVATOR, WITH WHEEL.

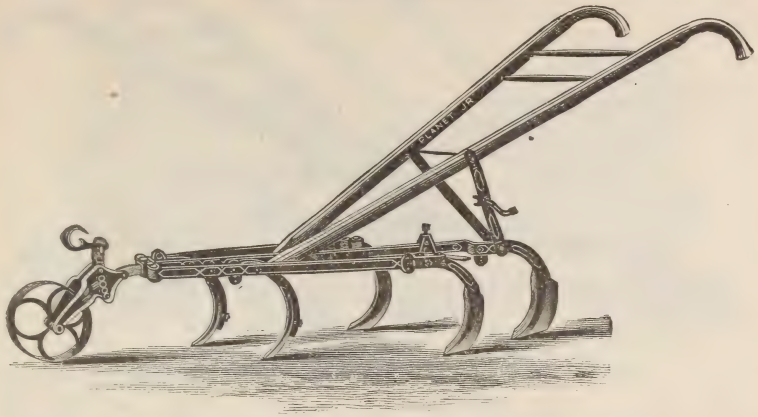


We particularly request that all buyers who are looking for the latest and best goods, be sure to ask for and get the Hollow Steel Standard machines. They have very decided advantages over the ordinary iron standards heretofore in use. They are much stronger; and owing to their being round in front, instead of square cornered, and to the fact that the steel will polish in use, the tool has much less tendency to clog, and runs much easier. As the new standards are also longer than the old, the tool stands higher and from that cause, also, there is less danger of clogging. Each side-standard has a series of notches on the under side, and the steel staple bolt which holds it to the frame has a cog in the center which fits into the notches on the standard, thus enabling the tooth to be turned at any desired angle or completely reversed, whilst holding it very securely in the desired position, when screwed up. This is a very valuable feature, since it enables the operator to throw just as much or little earth as may be desired either to or from the row, no matter whether the soil be light or heavy. The teeth are of the best pattern and the changes and adjustments are as perfect as can be desired.

These distinct advantages of the "Planet Jr." Steel Standard Horse Hoe and Cultivator make it the cheapest and most labor-saving invention of its class ever offered.

THE PLANET Jr. HORSE HOE

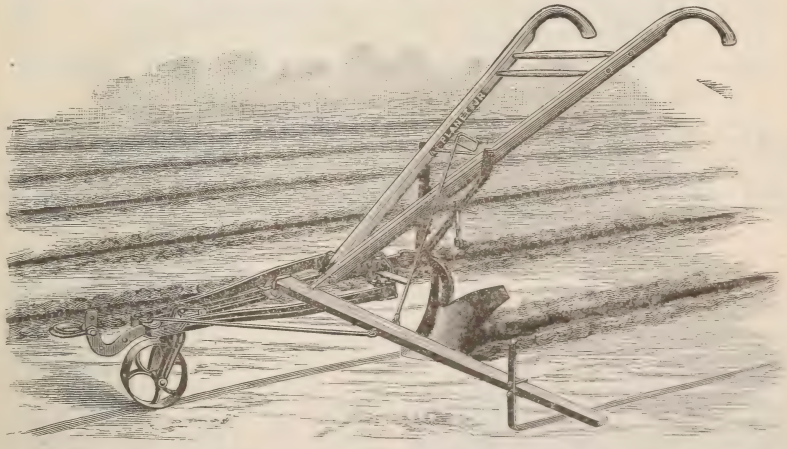
As a Plain Cultivator.



The Planet Jr. Plain Cultivator, as shown above, is a very light and strong tool, having the Hollow Steel Standards and Steel Expanding Bars. We can supply it with any width tooth, from an inch and a quarter up, and is the most satisfactory tool of the kind known. It is used either with or without a wheel. In this section, with a wheel is generally preferred.

THE PLANET Jr. HORSE HOE,

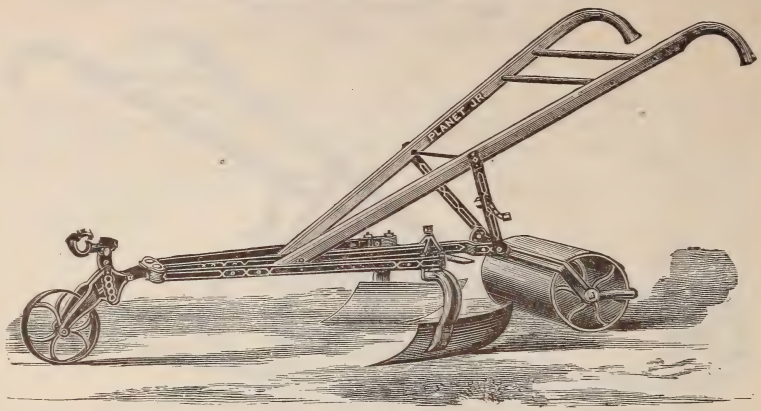
With Furrowing and Marking Attachments.



For furrowing or hilling we have just brought out a separate tooth to be used in place of the regular rear shovel of the Horse Hoe. When used for furrowing it is placed alone on the frame with marking iron and pole, for furrowing at any width from two to five feet. This is an excellent device for marking out ground for potatoes, cotton, corn, cabbage, etc., and all who own the Horse Hoe should have these attachments. A single passage of the tooth leaves a furrow in many respects superior to that made by two passages of a one-horse plow. It is also used with great satisfaction to hill up potatoes and all crops not planted over three and one-half feet apart.

THE PLANET Jr. HORSE HOE,

With Roller Covering Attachment.



When the furrow has been made by the Horse Hoe, and it is ready to be covered, instead of using two furrows of a one-horse plow, use the Roller Covering Attachment of the Horse Hoe, and the work can be better done in half the time. It should be arranged, as shown in above illustration.

PRICE-LIST.	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
Planet Jr. Steel Standard Horse Hoe and Cultivator, with wheel	$13.25	$9.50
" " " " " " without wheel,	12.00	8.50
" " " Plain Cultivator, with wheel	9.25	7.00
" " " " " without wheel	8.00	6.00

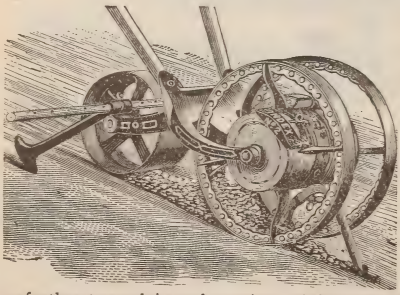
Planet Jr. Furrowing Steel	$2.00
" Marking Attachment	2.00
" Roller Covering Attachment	2.75

THE PLANET Jr. FARM AND GARDEN IMPLEMENTS;

For Hand Use.

The Garden Tools described below, are finely formed and finished tools, and to the practical man they supply a need long felt, namely: A small implement to be used by hand, and at the same time perform its work with an accuracy that is only found in larger machines. Those having a kitchen garden and the market gardener will find their use invaluable. We want such men to know how useful the Planets are, and how nicely adapted to the work intended, and we feel sure that after a careful examination of their merits that they cannot afford to be without them.

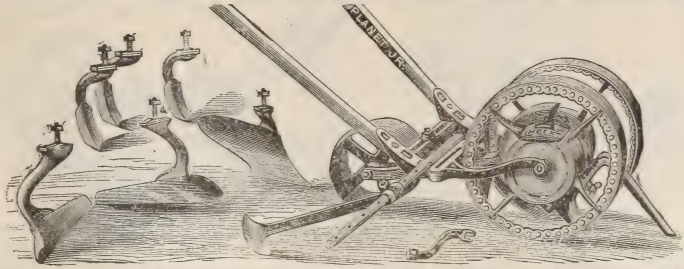
THE PLANET Jr. SEED DRILL, No. 2.



As is seen in the cut, the Planet Jr. has *double* carrying wheels, with the spring brass seed reservoir *in the centre;* this arrangement keeps the seed in continual agitation, preventing the slightest chance of packing, or collection of dirt around the discharge holes. The value of this feature will be well understood, when we say that soaked or sprouted seeds, even if mixed with earth or sand, can be sown perfectly, and without danger of spliting or injury to the softened seed. These advantages, combined with the evident fact that the entire absence of gearing, cogs, brushes, levers, cams, etc., make the sowing devices of the drill durable, noiseless and simple, and the machine light running, and go farther to explain and convince of the value of the Planet Jr. Seed Drills than any noisy claim, that we made the best drill in the world, could do.

THE PLANET Jr.

Combined Drill, Wheel Hoe, Wheel Cultivator, and Wheel Plow.



With this combined tool the whole garden can be plowed preparatory to planting; then the furrows for potatoes, beans, corn, manure, etc., can be opened and covered, and, finally, the crops tended as handsomely and thoroughly as with a horse-hoe or cultivator. The cultivating teeth furnished with each machine are a plow, a pair of protecting curved point hoes, and a set of three cultivator teeth; all the blades are steel, hardened in oil, tempered and polished.

The steel blades are cheaply replaced by mail. By removing the roller and using the hilling hoes, seed can be dropped and covered very deeply.

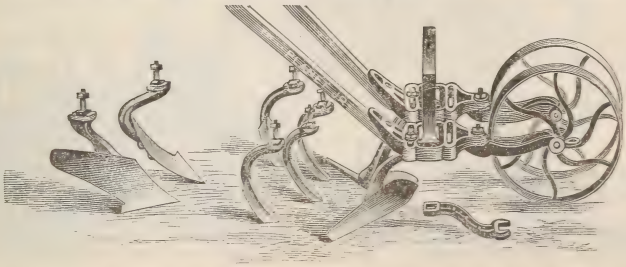
THE PLANET Jr. DRILL, No. 8.

This is our largest size drill, holding one-half a bushel; it has but one wheel, 24 inches high, with the seed reservoir in the center, with a double set of sowing openings, one on each side of the wheel. It has no opening plow, coverer or roller, and is intended for work only in the furrow, for distributing fertilizers, or for dropping corn for fodder, peas, beans, broom corn, &c., by the bushel.

PRICE-LIST	Manufacturer's Prices.	J. Breck & Sons Net Cash Prices.
The Planet Jr. No. 2 Drill, boxed weight 40 lbs.	$10.00	$9.50
" " Combined Drill, Wheel Hoe, Cultivator, and Plow, boxed weight 40 lbs.	12.00	11.40
" " No, 3 Seed and Fertilizer Drill, ...	16.00	17.00

THE PLANET Jr.

Double Wheel Hoe, Plow, and Cultivator Combined.

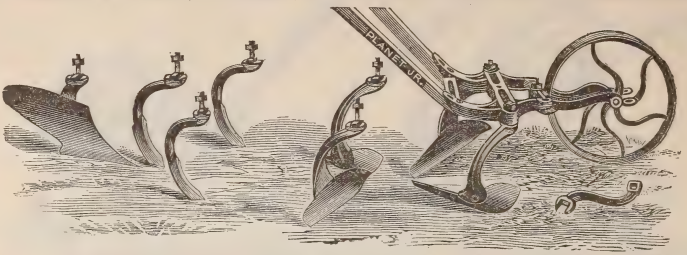


Hoeing is one of the most laborious, tedious and costly portions of farm and garden work, yet since it is one of the most necessary, it will repay all to avail themselves of improved implements to save in this direction. Although much seed, time, and labor are saved, and better crops obtained by using a seed-sower for planting, much more can be saved by the after use of a good Wheel Hoe, for the sowing must be done but once while hoeing is repeated constantly until the crop is made, and a good Wheel Hoe will work much closer than is possible with a hand hoe, and many times faster.

Each Double Wheel Hoe is supplied as follows: One pair of long hoes with front ends curved forward to protect the smallest plants from danger; one pair of small neat plows and two pairs of cultivator teeth. All the teeth are steel, hardened in oil, tempered and polished. The frame is so constructed that the hoes on one side can be set ahead of those on the other if desired.

THE PLANET Jr.

Single Wheel HOE, PLOW, and CULTIVATOR COMBINED.

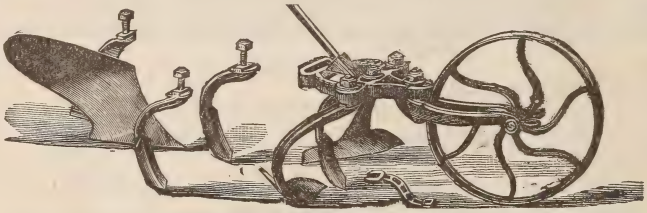


In the Single Wheel Hoe the Plow is much larger than those in the Double Wheel Hoe. Each machine has a large plow, one pair of curved pointed hoes, and a set of three cultivator teeth. All the teeth are steel, hardened in oil, tempered and polished. The frame is so arranged as to allow of any desired position of the different tools.

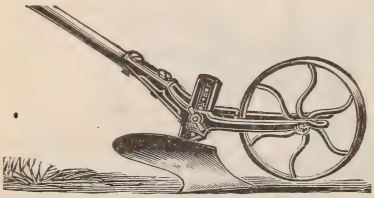
PRICE-LIST.

	Manufacturers' Prices.	J. Breck & Sons' Net Cash Prices.
Planet Jr. Double Wheel Hoe, complete, 35 lbs.....Boxed,	$8.00	$7.60
" Single " " " 30 " "	6.00	5.70

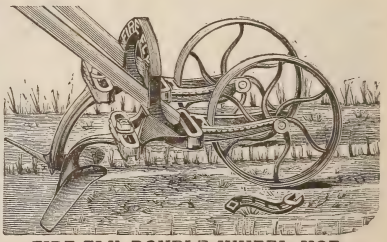
FIRE-FLY HAND TOOLS.



FIRE-FLY SINGLE WHEEL HOE.



FIRE-FLY GARDEN PLOW.



FIRE-FLY DOUBLE WHEEL HOE.

The Fire-Fly Hand Tools have given great satisfaction, and are much improved in strength and adjustment for 1886. These Tools are intended for those who have small gardens and only a moderate amount of time to spend in them, and for those who cannot avail themselves of the larger Planet Jr. Tools advantageously.

PRICE-LIST.

	Manufacturers Prices.	J. Breck & Sons' Net Cash Prices.
Fire-Fly Double Wheel Hoe Boxed,	$5.00	$4.75
" Single " " "	4.50	4.25
" Wheel Garden Plow.....Packed,	3.00	2.85

Complete Descriptive Catalogues of the Planet Jr. and Fire-Fly Tools, mailed on application.

PEARCE'S IMPROVED
CAHOON'S PATENT BROADCAST SEED SOWER.

For sowing Wheat, Oats, Hemp, Barley, Rye, Buckwheat, Grass Seed, Rice, Flax, &c., &c., either by Hand or Horse-Power.



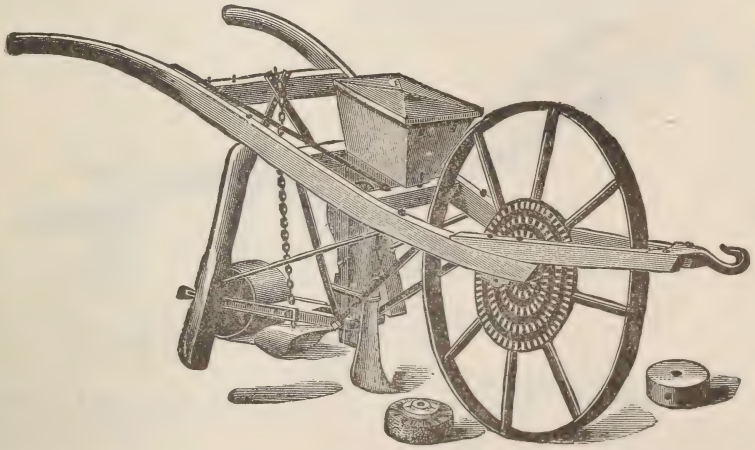
The Hand Machine, at a common walking gait, sows from four to eight acres per hour. The Horse Machine from ten to fifteen acres per hour. A saving of four-fifths of the labor, and one-third of the seed used in hand sewing, is effected by these machines. A person entirely unused to sowing by hand can use either machine with perfect success.

They are warranted to give perfect satisfaction, and to save their cost in less time than any other farm implement yet introduced.

PRICE-LIST.	Manufacturer's Price.	J. Breck & Sons' Net Cash Price.
Hand Machine	$5.00	$4.75
Horse Machine	25.00	19.00

On application we will mail circulars giving full directions for use, the quantity of different seed they will sow to the acre, and other valuable information.

ALBANY CORN AND SEED PLANTER.

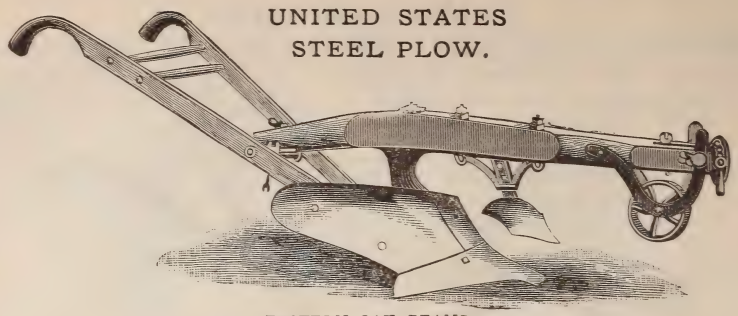


The Albany Planter is sold as a plain planter, as a planter with Fertilizer Attachment, and as a planter with Fertilizer and Horse Hoe Attachment, making it the cheapest and most effective implement on the farm. It will save its cost in planting ten acres of corn. One man and a horse can plant from seven to ten acres of corn in one day with the planter, at a cost of $3.50 to $5.00.

PRICE-LIST.	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
Plain Planter	$20.00	$18.00
" " with either Fertilizer or Horse Hoe Attachment	23.00	20.00
" " " both " and " " "	25.00	21.50

Will mail free of expense descriptive pamphlets of the Albany Corn and Seed Planter.

UNITED STATES STEEL PLOW.

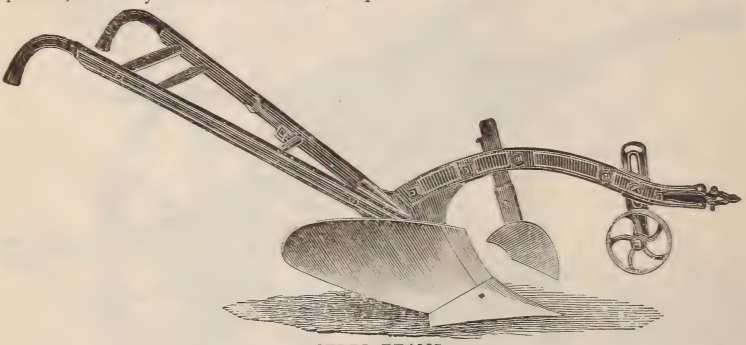


EASTERN OAK BEAMS.

Feeling convinced that there is a pressing demand for a good reliable Plow, we take pleasure in bringing to the notice of our customers the UNITED STATES STEEL PLOWS.

These Plows contain all the modern improvements; viz., Adjustable Beam, Separate Harp Shin Piece, Adjustable Jointer and Wheel. It has also a Hard Steel Mold-board and Land-side, which are well known by many unfortunate purchasers of Chilled Cast-Iron Plows, to be better and safer than the brittle heavy, chilled iron molds. The Mold-boards and Land-side are highly tempered by a new process, without being brittle; they will scour in the stickiest soil. A Carbonate Share is cheaper and much more durable in most kinds of soil than Steel, and therefore these Plows are fitted with Carbonate Shares. If desired we can furnish Steel Shares to be used in sticky soil at a very low price. The range of adjustment is wide, the draft exceedingly easy, and in any kind of soil it is a pleasure to work with these Plows.

Every one should use only Steel Plows, and not be humbugged by any Cast-Iron Plows, under the name Chilled, Hard Metal, Adamant, Diamond Iron, etc., which, being more or less warped and padded, are easily broken and difficult to repair.



STEEL BEAMS.

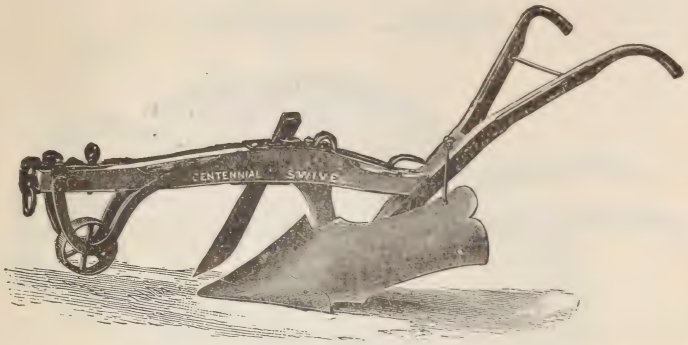
The Plow shown above (No. 115) is the same in all respects as the other numbers, with the exception of having a Steel Beam. The objection to Iron and Steel Beams has formerly been caused by their breaking; but this objection is overcome in the U. S. Plows by making the Beam of several pieces of steel securely bolted together. The high arch under the Beam avoids clogging; the shortness of the Beam brings the team nearer the work, thereby reducing draft, and more convenient in rough ground and small spaces. The handles are adjustable to different sizes of men.

PRICE LIST.

No.	Description.	Plain.		With Wheel.		With Wheel and Jointer or Cutter.	
		Manufr's Prices.	J. Breck & Sons' Net Cash Price.	Manufr's Prices.	J. Breck & Sons' Net Cash Prices.	Manufr's Prices.	J. Breck & Sons' Net Cash Prices.
	OAK BEAMS.						
6.	One-Horse	$8 00	$7.50	–	–	–	–
8.	Light Two-Horse	10.50	10.00	$11 50	$11.00	$14.00	$13.25
10.	Medium Two-Horse	12.00	11.50	13.00	12.25	15 50	14 75
12.	Large Two-Horse	14.00	13.25	15.00	14.25	17.50	16.50
	STEEL BEAMS.						
115.	Medium Two-Horse	13.00	12.25	14.00	13.25	16 00	15.25

Will mail circular of the U. S. Steel Plows on application.

THE CENTENNIAL SWIVEL PLOW.



The Centennial Swivel Plow is now considered not only the best implement of the kind that has been invented, but one which has worked an important revolution in the structure of plows, and in plowing, to the lasting benefit of the farmer.

The necessity of a Swivel Plow that would do perfect work on level land equally as well as a Land-side Plow, and by which the ugly dead furrows, that follow the use of the common Land-side Plow, might be avoided, had long been felt, and the vacancy has been filled by the Centennial.

It is now known by the users of a Swivel Plow, that by its use the work is evenly divided between the team, each horse alternately taking its place in the furrow and thus avoiding the continual drag on the furrow horse, which causes the team to quicken its pace and accomplish more work.

In the construction of the Two-Horse and larger sizes of this Plow, the land-side or cutting edge of the share being thrown past the center of the beam as the Plow is turned to the right or left, it becomes necessary, when a cutter is used, that it be moved from right to left, and *vice versa*, as the Plow is changed, so that it shall be as nearly as possible on a line with the land-side of the share, same as on a Land-side Plow. This is provided for by a movable cutter worked by a lever, which may be quickly shifted as the Plow is reversed. Thus this Swivel Plow possesses a combination of advantages which have recommended it to universal adoption, and this is shown by the fast increasing sales, not only where they have already been introduced, but also in sections where a Swivel Plow has not hitherto been used.

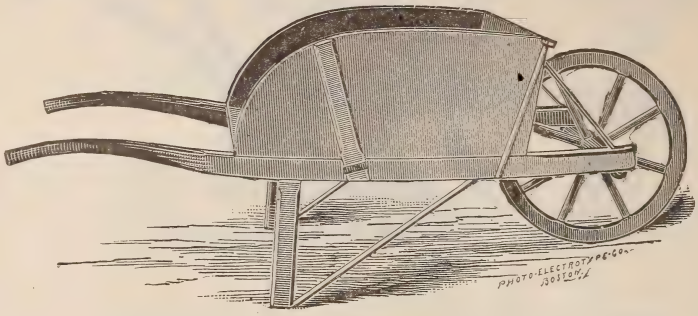
Formerly the Swivel Plow had been chiefly used on hill-side land, not being adapted to a level surface; but as this Plow effects the complete inversion and pulverization of the soil on level as well as inclined surfaces, it is a relief to the eye tired of the unsightly oblong "lands" and dead furrows made in ordinary plowing, to see the uniform, pulverized seed-bed left by this Plow, as it turns to the right and left in its easy, graceful progress over the field. It possesses symmetry, durability, and simplicity, giving a full-width furrow, completely inverted and pulverized, and porous as any implement can leave the soil. It works equally well in rocky and smooth as well as in wet clay land, the peculiar form of the Mold-board preventing it from clogging or holding on to the soil.

PRICE LIST.

Size.	Description.	Plain.		Wheel.		Wheel and Cutter.		Wheel and Movable Cutter.	
		Manufr's Prices.	J. Breck & Sons' Net Cash Price.	Manufr's Prices.	J. Breck & Sons' Net Cash Prices.	Manufr's Prices.	J. Breck & Sons' Net Cash Prices.	Manufr's Prices.	J. Breck & Sons' Net Cash Prices.
0.	1-Horse,	$7.50	$6 75	—	—	—	—	—	—
13.	Heavy 1-Horse,	9.50	8 50	$10 50	$9.50	$12.00	$10.75	—	—
14.	Light 2-Horse,	11.00	10.00	12.00	10.75	13.50	11.00	—	—
2.	Medium 2-Horse.	—	—	—	—	—	—	$15 00	$13.50
3.	2 to 4 Horse,	—	—	—	—	—	—	17.00	15.25
4.	4-Horse,	—	—	—	—	—	—	20.00	18.00

Will mail circulars of the Centenial Plow on application.

WHEEL BARROWS.



There is no article that has such general and hard usage as the Wheelbarrow, consequently it is of the utmost importance to have only the best, as in the long run they prove the cheapest. Our Barrows are made of carefully selected oak, strongly braced and heavily ironed throughout. The eight-spoke Barrows are adapted to the heaviest work, and compare favorably with those that are known as custom-made. The six-spoke Barrows, though as well made in every respect, are intended for the lighter kinds of work in the garden, on the lawn, and for general use around the house.

PRICE LIST.

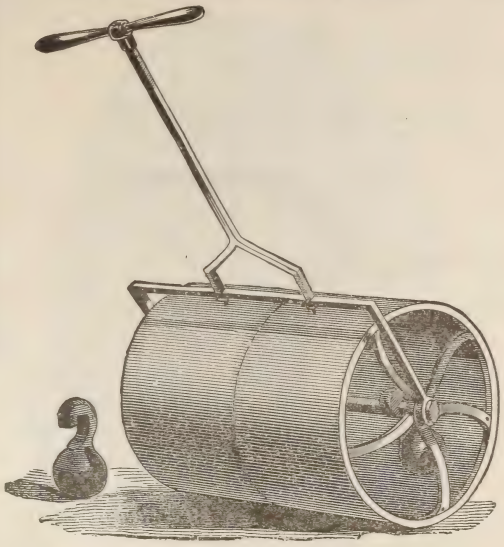
		1	2	3	4	5	6
8-SPOKE.							
Breck Custom,	Manufacturer's prices,	..	..	..	$7.00	$8.00	$9.00
	J. Breck & Sons' net cash prices,	..	..	..	6.00	7.00	8.00
Breck,	Manufacturer's prices,	$3.75	$4.00	$4.50	5.00	6.00	7.00
	J. Breck & Sons' net cash prices,	3.25	3.50	4.00	4.25	5.00	6.00
Monitor,	Manufacturer's prices,	3.50	3.75	4.25	4.50	5.50	6.50
	J. Breck & Sons' net cash prices,	3.00	3.25	3.75	4.00	4.75	5.75
Standard,	Manufacturer's prices,	..	..	..	4.25	5.25	6.25
	J. Breck & Sons' net cash prices,	..	..	..	3.75	4.50	5.50
6-SPOKE.							
Peerless,	Manufacturer's prices,	..	3.50	..	4.00	..	4.75
	J. Breck & Sons' net cash prices,	..	3.00	..	3.50	..	4.25
Excelsior,	Manufacturer's prices,	..	3.25	..	3.75	..	4.50
	J. Breck & Sons' net cash prices,	..	2.75	..	3.25	..	4.00

	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
Breck, No. 4, three-wheel Wheel-barrow	$10.00	$8.50
Extra (Printers') " "	25.00	22.00

CANAL BARROWS.

		Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
No. 1.	Royal, extra heavy	$3.50	$3.00
" 1.	Bolted, very durable	2.50	2.00
" 1.	Common	2.00	1.75

GARDEN ROLLERS.



WEIGHTS KEEP HANDLE ERECT.

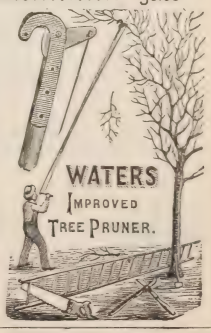
This implement is very valuable for use in the garden, on the lawn and around the house. With it the lawn can be nicely rolled, removing all the small stones, and the walks kept nicely smoothed. Being made of iron it does not clog as easily as a stone roller.

PRICE LIST.

									Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
2	Sec.,	7½	inch face,	15	inch diam.,	with	weights,	about 125 lbs	$ 8.00	$ 7.00
3	"	7½	"	15	"	"	"	180 "	11.00	10.00
1	"	12	"	20	"	"	"	140 "	10.00	9.00
1	"	20	"	20	"	"	"	220 "	14.00	12.50
2	"	12	"	20	"	"	"	300 "	18.00	16.00
3	"	12	"	20	"	"	"	450 "	25.00	23.00
1	"	12	"	24	"	"	"	200 "	13.00	12.00
2	"	12	"	24	"	"	"	400 "	22.00	20.00
1	"	12	"	28	"	"	"	250 "	16.00	14.00
2	"	12	"	28	"	"	"	500 "	26.00	23.00
3	"	12	"	28	"	"	"	700 "	40.00	36.00

WATERS' IMPROVED TREE PRUNER.

Length of pole,	4	feet,	weight	2¼	pounds	each,	$1.75
"	"	6	"	"	2¾	"	2.00
"	"	8	"	"	3½	"	2.25
"	"	10	"	"	4¼	"	2.50
Extra Knives						per dozen,	3.50

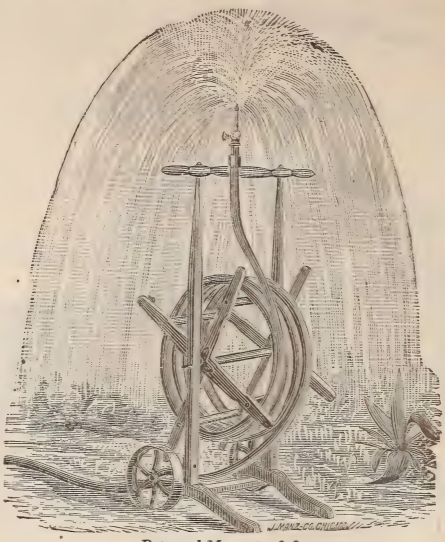


It is the only pruner that will clip the slightest twig on extreme end of the limb; it will also cut larger wood than any other device that is practical to handle.

It weighs less, costs less, will last longer, reach higher, work easier, do more and better work than anything ever before used for pruning.

It must be seen to be appreciated.

THE FOUNTAIN HOSE CARRIAGE.



Patented May 1st, 1878.

NO. 1 FOUNTAIN HOSE CARRIAGE.

An important and distinctive feature of these carriages is the unusual diameter of the reel, which takes on the hose in coils so large that the water will pass freely through it, so that instead of taking off all the hose every time it is used, it is only necessary to let off just sufficient to reach the point desired to sprinkle; when coiled up, a few turns of the reel will effectually expel the water from the hose.

PRICE LIST.

		Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
No. 1.	Holds 150 feet ¾ inch hose	$3.00	$2.75
" 2.	" 100 " ¾ " "	3.00	2.75
" 3.	" 200 " ¾ " "	5.00	4.50
" 4.	" 200 feet 1 inch "	9.00	8.00



Patented December 7th, 1875.

THE MAGIC HOSE NOZZLE.

This nozzle will throw either a single jet or shower of spray, without any change of tip, by merely reversing the thumb-piece of the stop-cock; its operation is truly marvelous.

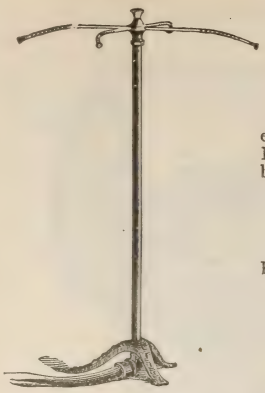
A great variety of forms of spray can be produced, grading from very fine and misty to a powerful volume, thrown to an extraordinary distance, closely concentrated or very widely scattered, or it can be so adjusted as to closely imitate any of the perforated rose head or rotating sprinklers.

It is guaranteed equal to the best, as a single jet nozzle, and incomparably superior as a sprinkler.



PRICE LIST.

	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
¾ in. Magic Hose Nozzle, long, with Screw Tip	$1.00	$.90
¾ " " " " short, no " "	.85	.75
1 " " " " " "	1.50	1.35



NICKEL-PLATED

LAWN SPRINKLERS.

The prices at which these Sprinklers are offered, enables everybody having a sufficient head of water, to have a beautiful Fountain on the Lawn, which not only pleases the sight, but is beneficial to the grass.

Every Sprinkler warranted.

PRICE LIST.

Regular	4	arms,	Net Cash Price,		$3.00
"	4	" with Ball Top,	"	"	" 3.25
"	6	" no " "	"	"	" 3.50
"	6	" with " "	"	"	" 3.75

RUBBER HOSE.

Extra ¾-inch, 3 ply,	adapted to heavy pressure,	Per foot,	$0.14
Standard ½-inch, 3 ply,	" " ordinary "	" "	.10
" ¾ " 3 "	" " "	" "	.12

COTTON HOSE.

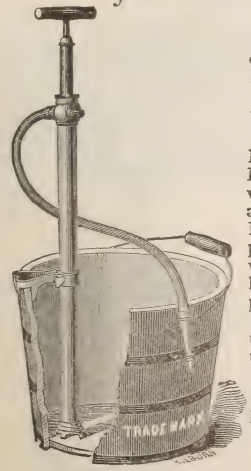
Successfully used during the past two seasons, and adapted to all pressures.

½-inch,.....per foot, $0.11; ¾-inch,,.....per foot, $0.13

N. B. Above prices, of both Rubber and Cotton Hose, include couplings.

We keep only in stock those grades of Hose that are adapted to the heavy and ordinary water-pressure found in the vicinity of Boston. In fact, we sell only the best grades made.

JOHNSON'S PATENT FORCE PUMP.



It is made in a very durable manner, and cannot easily get out of order. The Pump has a Sprinkler, Straight-stream Nozzle, and Rubber Hose attached.

The many uses to which it can be readily applied, commends it to every householder, to every gardener, and to every farmer.

Has been adopted as a fire extinguisher by the War Department, Harvard College, and several towns. It is recommended by the Boston Fire Commissioners, Board of Trade and Board of Underwriters. A discount of five per cent. is made from the premiums on all new policies, where the property is protected by Johnson's pumps. For washing windows, carriages, decks of vessels, wetting sails, pumping water from boats, forcing passages in clogged water pipes, watering streets and gardens, sprinkling sidewalks, house plants, lawn shrubs, sprinkling fluids and liquids on trees, shrubs, and plants, for destroying insects, etc., it has no equal.

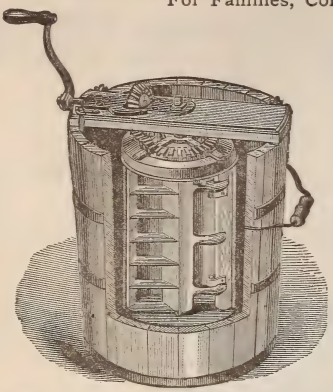
Nothing can excel it for *all* the purposes which a syringe can be used for in the greenhouse. Throwing six gallons of water per minute with ease, makes it invaluable for all kinds of irrigation.

PRICE LIST.

Manufacturer's price...$8.00 | J. Breck & Sons' net cash price, $6.00

C. W. PACKER'S
"STANDARD" ICE CREAM FREEZERS.

For Families, Confectioners, Hotels, Etc.





The superiority of the principles upon which the "Packer Freezers" are constructed, and the popularity and success they have achieved during the many years they have been before the public, have earned for them the reputation of being the *best Ice Cream Freezers* ever introduced, and they have been awarded the highest premiums. They are made in the most durable and substantial manner, avoiding all complicated machinery, are not liable to get out of order; none but the very best materials are used in their construction, all the castings are *galvanized* or *tinned*, and the mechanical arrangements are such that they will freeze cream, fruits or water ices in the shortest possible time.

The Cans are made of the best quality extra weight and heavily coated Tin Plate, and have iron bottoms of a new pattern; also, each size is guaranteed to contain the full number of quarts marked thereon in addition to space occupied by the dasher.

The Tubs are of the best quality seasoned white cedar, free from defects, and with heavy galvanized hoops.

The Cover of Tub, or Cross-bar, containing the gear-wheels, is made of hard wood in preference to cast iron, preventing all liability of breaking should it receive a fall; the fittings connecting it with the tub are of malleable iron, and arranged so that it may be removed by unfastening a single hook on the front, the hinged connection at the back allowing it to be turned over.

The "Standard" Freezer is made in sizes suitable for family use, and is very easy to operate; by adhering to the directions no one can fail to produce Ice Cream, etc., equal to that prepared by the most experienced Confectioner. It is not required that the "Standard" Freezer should be made with double gearing, as the beater, to which is attached deflectors, lifters and cutters, will produce the greatest possible amount of agitation.

PRICE LIST.

"STANDARD" FREEZER.

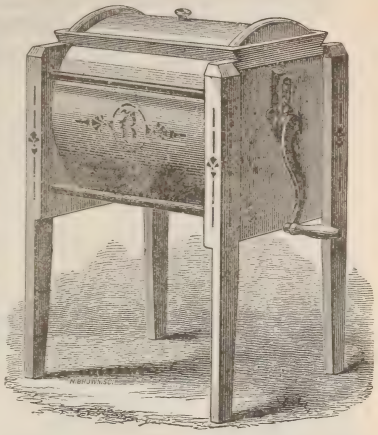
	Manufacturer's Prices	J. Breck & Sons' Net Cash Prices.
2 Quarts	$3.75	$2.06
3 "	4.50	2.47
4 "	5.50	3.02
6 "	7.00	3.85
8 "	9.00	4.95
10 "	11.00	6.05
14 "	14.00	7.70

We also furnish Freezers for Confectioners use, having a capacity of 24 to 40 quarts.
Will send circulars on application.

DOUBLE-ACTION "STANDARD."

	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
10 Quarts, with fly wheel	16.00	$9.60
14 " " " "	20.00	12.00
18 " " " "	25.00	15.00
24 " " " "	30.00	18.00
32 " " " "	37.50	22.50
8 " " crank	10.50	6.30
10 " " "	13.00	7.80
14 " " "	16.50	9.90
18 " " "	21.00	12.60
24 " " "	25.00	15.00

THE BLANCHARD CHURN.



We continue to offer to the dairy public the Blanchard Churn, confident of its being *the best* in every particular, without exception. It has no rival in cheapness, durability, simplicity, and efficiency. It is used by the best dairymen in the country, and its large and increasing sale everywhere is the best proof that it gives satisfaction. There are now in successful operation over one hundred thousand. The *genuine* Blanchard Churns are made only by Porter Blanchard's Sons, Concord, N. H. Beware of imitations. You don't want a counterfeit churn any more than you want counterfeit money.

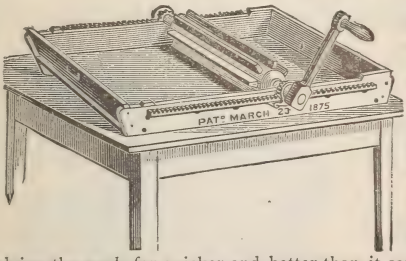
The *special* advantage claimed for "THE ROUND TOP BLANCHARD," is that by making the top circular as well as the bottom, all the cream *must be churned alike and at the same time.* This form does not require that the cream should be scraped down from the sides or cover while churning, and *makes streaked butter impossible.* The body of the Round Churn is made of matched staves from the best kiln-dried Michigan pine, about three-quarters of an inch thick. The new Dasher being more simple than the old one, less power is required to turn it.

PRICE LIST.

	FAMILY SIZES	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
No. 3.	For up to about 2 gallons of cream	$6.00	$5.00
" 4.	" " " 4 " " "	7.00	6.00
" 5.	" " " 8 " " "	8.00	7.00
" 6.	" " " 12 " " "	10.00	9.00
" 7.	" " " 16 " " "	12.00	11.00

We have large sizes especially adapted to factory use. Will mail circulars on application. Reliable Dairy Thermometers, from 25 cents to 50 cents each.

THE REID PATENT BUTTER WORKER.



Probably there is no work that a farmer's wife has to perform that so endangers health as that of the dairy or spring house. Any invention therefore that will lessen the labor and shorten the time that she is thus employed, is certainly worthy of consideration.

In presenting our Butter Worker to the public, we think we supply a long-felt need in this respect. It is a machine that is very efficient in its work, simple in its construction, and convenient to handle; it will work a batch of butter in from three to five minutes, according to the condition of the butter, working out the butter-milk, and thoroughly mixing in the salt, doing the work far quicker and better than it can be done by hand. It consists of a tray and a roller with paddles, which is turned by a crank, and traverses from end to end of tray. It acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity. The machines are all built of the best material, the iron part is galvanized, preventing rust.

PRICE LIST.

No.	Size of Tray.	Will work at one time.	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
1.	23 x 36 x 2½ inches	50 lbs	$10.00	$9.00
2.	20 x 30 x 2½ "	30 "	8.00	7.00
3.	17 x 26 x 2½ "	20 "	7.00	6.00
4.	14 x 23 x 2½ "	8 "	6.00	5.00

We can furnish larger sizes especially designed for factory use.

THE REID ROUND CAN CREAMERY.



We would respectfully call your attention to our CREAMERY for 1886. We feel that in the past our efforts have been rewarded by your generous favors, and our experience has led us to make several improvements, which it will pay you to examine.

The system we make use of is what is called the cold deep setting system, in which the milk is put in vessels about 20 inches deep, and set in cold water. The method is an old one, having been practiced in Sweden, where it originated, for a long period, and used in this country for several years. Many persons are incredulous of the fact, that all the cream can raise when set so deep. But it has been proved beyond dispute, by many of our leading dairymen throughout the country, that all the cream can be raised when set in deep cans of right proportion, and put in water at a temperature of forty or fifty degrees, in less than ten hours or between milkings.

A few of the Advantages of REID'S CABINET CREAMERY are:

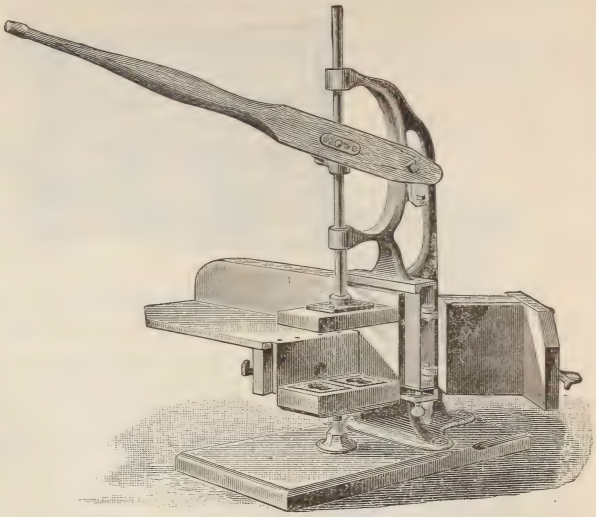
It is made from the best materials.
The woodwork is thoroughly framed and screwed together.
The apartment below the tank is a good Refrigerator.
It is attractive in appearance.
Skimming is avoided, as we draw the milk from under the cream.
The separation is complete.
The cans can be cleansed while in position.
It can be operated successfully without ice.
It requires less ice to operate it than any other.
It is easy to strain the milk into it, as it is but forty inches in height.
You do not have to get down on your knees to skim, as the Reid Faucet is directly in front and very convenient.
You do not have to draw one half the water out of the tank before skimming, as you do in some other Creamers, but just turn on the faucet and let the milk run.

PRICE LIST.

NO. O AND OO HAVE 9-QUART CANS, ALL THE OTHER SIZES HAVE 18-QUART.

No.	No. of Cans.	No. of Cows.	Height.	Width.	Length.	Manufacturer's Prices.	J. Breck & Sons' Net Cash Prices.
O	1	1	33 inches	13 inches	17 inches	$18.00	$17.00
OO	2	1 to 3	33 "	21 "	17 "	22.00	21.00
1	1	1 to 3	40 "	14 "	19 "	20.00	19.00
2	2	4 to 6	40 "	23 "	19 "	27.00	25.50
3	3	7 to 9	40 "	33 "	19 "	33.00	31.25
4	4	10 to 12	40 "	24 "	31 "	40.00	38.00
5	6	13 to 18	40 "	38 "	28 "	52.00	49.00
6	8	19 to 24	40 "	49 "	28 "	64.00	60.00
7	10	25 to 30	40 "	60 "	28 "	75.00	71.00
8	12	31 to 36	40 "	71 "	28 "	85.00	80.00

THE REID SELF-GAUGING BUTTER PRINTER.



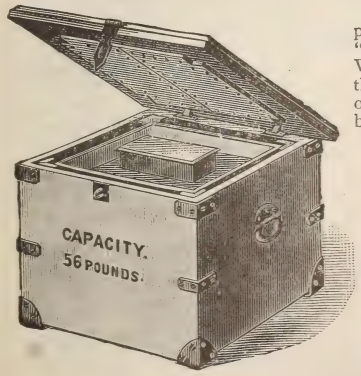
This machine not only prints the butter, which it does very neatly and quickly, but also *weighs or gauges* it into pounds or half-pounds, as desired, in one-quarter the time it can be done by hand, making neater prints and more accurate in weight. As the moulds are square, it will be found very convenient in packing for transportation.

In these days of imitation and adulteration, we advise every one making butter to have their monograms or initials cut on the butter print. This would prevent imitation. To a person making a uniform good article this would be of incalculable value.

PRICE-LIST.

	Manufacturers' Prices.	J. Breck & Sons' Net Cash Prices.
With one Box and Print, (either 1 lb. or ½ lb.)	$10.00	$9.50
With both 1 lb. and ½ lb. Boxes and Prints	13.50	12.75
Carving Initials or Monogram, add	1.00	1.00

THE REID IMPROVED BUTTER SHIPPING BOXES.



The large sales we have had of these Butter Shipping Boxes, warrants us in saying that we consider the "Reid" to be the best in the market. The boxes with Wooden Trays are adapted to shipping by freight, and those with Tin Trays are intended for express and any other mode of transport where a light and serviceable box is desired.

PRICE-LIST.

Capacity.	Wood Trays. Manufrs' Prices.	Wood Trays. J. Breck & Sons' Net Cash Prices.	Tin Trays. Manufrs' Prices.	Tin Trays. J. Breck & Sons' Net Cash Prices.
36 ½-lb. Prints,	$4.50	$4.25	$6.00	$5.75
60 " "	5.25	5.00	7.00	6.75
80 " "	5.50	5.25	7.50	7.25
100 " "	6.00	5.75	8.25	7.75
140 " "	7.00	6.75		
20 1-lb. "	3.75	3.50	5.00	4.75
30 " "	4.25	4.00	5.50	5.25
40 " "	4.75	4.50	6.25	6.00
56 " "	5.00	4.75	7.00	6.75
80 " "	5.50	5.25	8.25	7.75
96 " "	5.75	5.50		
120 " "	6.00	5.75		

On application we will mail, free of expense, circulars giving a full description of the foregoing Dairy Implements.

THE FERGUSON BUREAU CREAMERY.



For many years the different methods for setting milk for creaming have been the staple topics for discussion in Dairymen's Conventions and in the Agricultural Journals.

Everyone knows that no apparatus has ever yet improved on the quality of cream obtained in the old ways, when the air and temperature have been all right. But the old pans or crocks made a great amount of labor, and in these days labor-saving devices are a necessity in the dairy.

What is wanted is something to save labor, and at the same time secure the best results the year around, which were formerly obtained only at the most favorable seasons.

We, having had large demands for a Creamery to fill the above wants, have decided to catalogue the Ferguson Bureau Creamery, which embraces the new cold air process, and all other requirements. The scientific theories are practically applied with complete success, and more labor is saved than by any other process. So high an authority as Henry Stewart, dairy editor of the "Rural New Yorker," says of it: "I see nothing more to be desired."

We have sold during the past season a number of these Creameries, and we know from personal investigation, that in every instance, they are giving perfect satisfaction.

In many places they have superseded other styles that were sold as being perfect, but did not prove so. To anyone intending purchasing a Creamery, we would suggest investigating the merits of this system before deciding in favor of any other. We know it will please you.

PRICE LIST.

			Manufacturers' Prices.	J. Breck & Sons' Net Cash Prices.
No. 1.	1 Cow,	3⅓ ft. long,	$25.00	$24.00
No. 3.	3 Cows,	4½ "	35.00	33.50
No. 4.	5 "	5½ "	42.00	40.00
No. 5.	8 "	6 1/12 "	56.00	53.00
No. 6.	10 "	7¼ "	65.00	61.00
No. 7.	12 "	8¼ "	75.00	71.00
No. 8.	15 "	5 " each section,	85.00	81.75
No. 9.	18 "	6 " " "	90.00	85.50
No. 10.	22 "	7 " " "	100.00	95.00
No. 11.	25 "	7⅔ " " "	115.00	109.25
No. 12.	30 "	9 5/12 " " "	130.00	123.50

All Bureaus above No. 1 are 5½ feet high, and from 25 to 28 inches wide. All sizes above No. 7 are built in two sections, with two Pans in each section.

Catalogues giving full descriptions and Testimonials mailed on application.

GENUINE BAY STATE (Cucumber-Wood) PUMPS.

In past years, a large number of inferior pumps made from wood entirely unfitted for use in pumps, have been sold as cucumber wood by unscrupulous dealers; and parties purchasing them have been very much annoyed by the imposition.

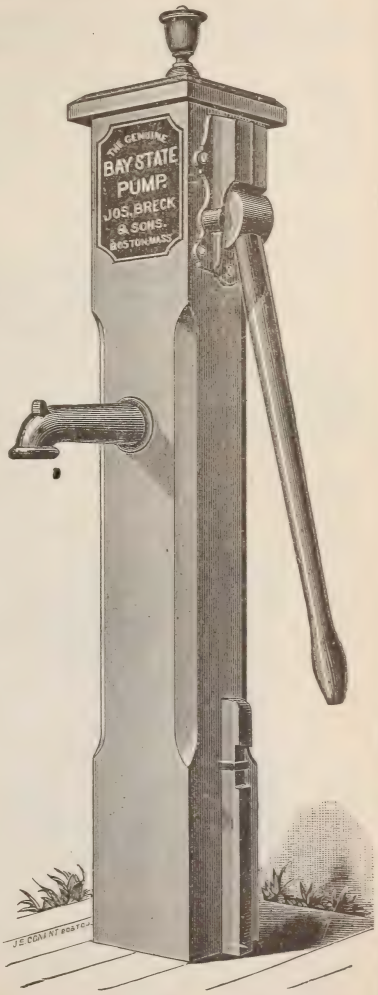
The Genuine Bay State Pump has already received a favorable introduction among our best customers, and during the present year we shall spare no pains or expense to make it the best Cucumber-wood Pump in New England.

These goods are manufactured under the immediate supervision of our own superintendent, and are designed expressly for our retail trade.

By referring to the cut you will notice that each Pump is furnished with an Iron Spout, Close-fitting Bracket, Adams' Patent Toggle, Heavy Welded Iron Bands, and an Anti-freezing Frost-Vent.

The *timber* is first thoroughly *weather seasoned*, and then *kiln dried*. Is then machine-dressed and finished by hand. Every Pump has three coats of durable paint, two of extra heavy coach-varnish, and is hand striped.

Remember that each Pump is warranted perfect and Tubing steam-tested.

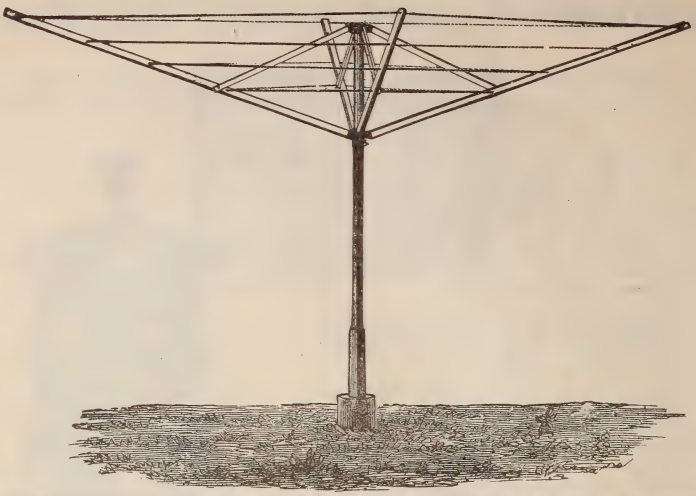


PRICE LIST.

	Manufacturers' Prices.	J. Breck & Sons' Net Cash Prices.
NO. 0 STOCK PUMPS — *Four-inch Cylinder.* (Made from Timber 7¼ x 7¼).		
Without lining, 6 ft. long,	$5.20	$4.70
" " 7 "	5.70	5.10
" " 8 "	6.20	5.60
" " 10 "	7.50	6.75
Porcelain lined 7 "	7.70	7.00
" "	8.20	7.40
" " 10 "	9.50	8.60
NO. 2 PUMPS.— *The Favorite House Pump. 3½-inch Cylinder.* (Made from Timber 6¼ x 6¼).		
Without lining, 6 ft. long.	$4.50	$4.10
" " 7 "	4.85	4.40
" " 8 "	5.20	4.70
Porcelain lined 6 "	6.50	5.90
" " 7 "	6.85	6.10
" " 8 "	7.20	6.50
" " 10 " With Extention Cylinder.	7.70	7.00
" " 12 " "	8.30	7.50
" " 14 " "	8.90	8.00
" " 16 " "	9.50	8.60
" " 18 " "	10.10	9.10
" " 20 " "	10.70	9.70
No. 0 Tubing 4½x4½, 2-in. bore,	.15 a ft.	.13 a ft.
" 1 " 4 x 4, 1¾-in. "	.12 "	.12 "
Couplings with welded bands, each,	.40 "	.40 "

For ordinary household purposes the No. 2 Pumps are generally used, but where a large quantity of water is wanted for stock, etc., the No. 0 Pumps are recommended.

THE ADVANCE CLOTHES DRYER



The Advance Clothes Dryer has no equal; simple, easily worked and understood; combining the greatest amount of line in the smallest space; drying the clothes in half the usual time; giving full use of a yard for flowers, etc.; standing in one spot to hang out or take in washing; can be spread or taken in, in less than one minute; no paths to shovel, no mud to go through. It is the very best and cheapest Dryer in use.

PRICE-LIST.

		Manufacturers' Price.	J. Breck & Sons' Net Cash Price.			Manufacturers' Price.	J. Breck & Sons' Net Cash Price.
No. 1.	110 ft. of line,	$5.00	$4.50	No. 2.	150 ft. of line,	$6.00	$5.50

THE BLANCHARD ASH SIFTER.



THE OLD WAY.



THE NEW WAY

We don't think it will be hard to convince you that the new way is the better one. The Blanchard Ash-Sifter is a new and most excellent thing. You have only to lift the lid, empty your ashes into the top, shut the cover, and before you can set your empty hod down, the ashes will be found in one drawer and the coal in the other, perfectly separated.

Coal dealers say that twenty per cent. of coal is wasted by people who don't sift their ashes. Can you afford to waste nearly a quarter of your coal? This Sifter will pay for itself every Winter, and last a lifetime, as it has no wearing or moving parts. If you burn coal, you cannot afford to do without one.

Retail Price for Stove size, is $5.00. Furnace size, $7.50. Extra sizes made to order.



THE QUEEN ANNE FLOOR-WASHER,

MANUFACTURED EXPRESSLY FOR

JOSEPH BRECK & SONS, BY THE SAGAMORE MANUFACTURING CO.

We take pleasure in bringing to your notice THE QUEEN ANNE FLOOR-WASHER. We feel that in so doing, we offer to our customers an article of intrinsic merit, and one that fills a place that heretofore has been neglected. Any invention that lightens the labor of the housekeeper will be invaluable in every household.

We recommend this article from our personal experience, and the following reasons, which are so self-evident that the most skeptical must be convinced of the merits of the Queen Anne Floor-Washer.

1. By the use of the Queen Anne Floor-Washer, kneeling on the floor and stooping is avoided, thereby saving many a painful back and limb ache.

2. Wringing out the sponge and washing the machine is done by a strong mechanical appliance. Therefore, a lady neatly dressed can do this dirtiest of housework without soiling her person or clothing.

3. Floors can be washed in one-quarter of the time it would take in the old way, besides being done in a thorough manner, and left dry.

4. Floors made of any material are not injured in the least by the use of the Washer, as cold water only need be used.

5. The saving of oil-cloth, carpeting, and painted floors will pay for the Washer in a few times' using, as hot water and soap destroy oil-cloth and paint.

6. It is strongly made of best materials, and is practically indestructible.

DIRECTIONS FOR USING THE QUEEN ANNE FLOOR-WASHER.

Have a pail half or two-thirds full of cold Water. Put the machine into the water, and move the handle backward and forward, thus filling the sponge with water, then as the machine rests on the edge of the pail, squeeze out a good part of the water from the sponge, as it will give you more water than you need otherwise; then open the jaws of the machine by the movement of the handle, and wash a place three to four feet square at a time; then close the jaws of the machine by the movement of the handle, and that will draw the sponge up from the floor; then use the rubber scraper to push the water from you and dry the floor, and thus leave a line of dirty water which you can pick up by opening the machine and lightly passing the sponge over it; then put your machine into the pail and wash out the sponge by the backward and forward movement of the handle, and then proceed to wash another place in the same manner.

By carefully following these directions, anyone can use the machine, and find it all that it is recommended to be, and children ten to twelve years of age are using them practically.

PRICE-LIST.

No. 1.	Family Size, 8-inch, each, ...	$1.50
" 2.	Hotel " 12 " "	2.00

ENGLISH CUTLERY.

SAYNOR, COOKE & RIDAL'S

Grass and Hedge Shears.

No. 100,	7½ inch Grass Shears	per pair,	$1.50	
" "	8 " " "	" "	1.60	
" "	9 " " "	" "	1.90	
" "	10 " " "	" "	2.25	
" 101,	7½ " Hedge " Notched	" "	1.75	
" "	8 " " " "	" "	1.85	
" "	9 " " " "	" "	2.15	
" "	10 " " " "	" "	2.50	
" 104,	9 " Long Handle Border Shears	" "	3.00	
" "	10 " " " " "	" "	3.50	
" 105,	9 " " " " " with Wheel	" "	3.50	
" "	10 " " " " " "	" "	4.00	

The above cannot be sent by mail.

WM. WILKINSON & SONS'

Sheep Shears.

No.	5, one-half polished, single spring	each,	$.75	$.85	$.95
"	3766, " " " " " "	"	.90	1.00	1.10
"	3770, full polished, single spring, swedged "True Vermonter,"	"	1.25	1.30	1.45
"	122, glazed blade, trowel shank, swedged	"	1.00	1.15	1.25

	5 in.	5½ in.	6 in.

Add 12 cents per pair for postage.

Florists' Scissors.

No. 112, Vine Scissors	each,		$.85	$.95	$1.10
" 111, Flower Gatherers	"		.90	1.15	1.35
" 110, Pruning or Bow Scissors	"	$.85	1.00	1.15	

	5 in.	6 in.	7 in.	8 in.

Add 6 cents per pair for postage.

PRUNING AND BUDDING KNIVES.

ENGLISH.

Saynor, Cooke & Ridal.—Paxton Works.

No. 190,	Buck-Horn Handled Pruning Knives, large	each,	$1.75
" 312,	" " " " " " Peach	"	1.50
" 187BC,	" " " " " " Medium	"	1.50
" 1NB,	Budding Knives, Ivory Handled	"	1.65
" 323,	" " " " "	"	1.70
" 204,	" " " " "	"	1.80

AMERICAN.

A. Burkinshaw.

No. 322,	Budding, Ebony Handle, 2 blades	each,	$1.20
" 323,	" " " 1 blade	"	.80

AMERICAN KNIFE COMPANY.

No. 141,	Cocoa Handle, Prunning	each,	$.80
" 141,	Stag " "	"	1.25
" 142,	Cocoa " "	"	1.00
" 142,	Stag " "	"	1.50

Add 4 cents per knife for postage.

TAYLOR'S PRUNING SHEARS.

These are the best cheap Pruning Shears ever invented. price per pair, $.75

Add 13 cents per pair for postage.

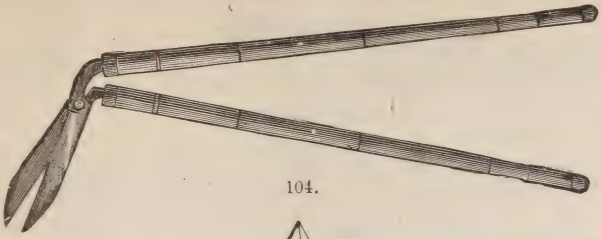
WESTCHESTER PRUNING SHEARS.

The strongest and most desirable Pruning Shears made in America; will last a lifetime.
Price per pair, polished, $1.25

Add 15 cents per pair for postage.



111.



104.



112.



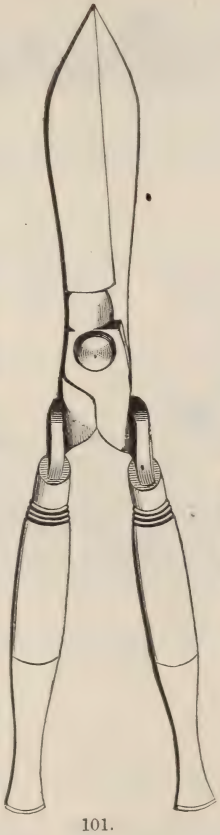
Award: Paris, 1855.



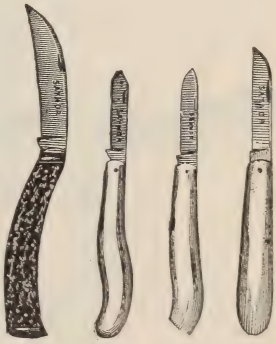
Award: London, 1851.



190. 187BC. 312. 142.



101.



141. 1NB. 323. 204.



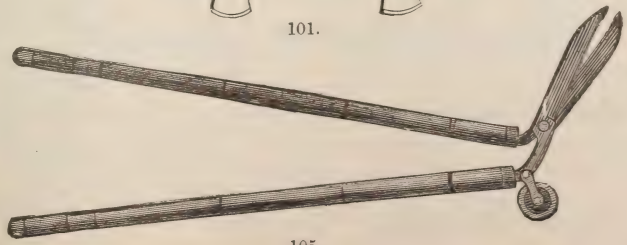
Award: Paris, 1867.



Award: London, 1862.



3770.



105.



110.

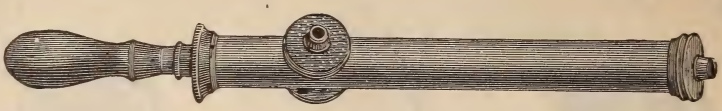
SYRINGES.

Tin, extra heavy each, $.75
Brass, No. A, Nozzle and Rose, 12 in. long, 1 in. diameter " 2.00

ENGLISH.

Brass Syringes.

All these Syringes have the side attachments to which the Roses are screwed. This is very desirable, as it prevents loss of Roses.



No. 7, 16 inch Barrel, 1¼ inch diameter, straight stream and Rose price, $4.00
No. 2½, 18 inch Barrel, 1½ inch diameter, straight stream and 2 Roses " 6.00
No. 3, 18 inch barrel, 1½ inch diameter, straight stream and 2 Roses, improved Ball Valve " 7.00
No. 4, 18 in. Barrel, 1½ inch diameter, straight stream, 2 Roses and Elbow—Improved Ball Valve " 8.00
No. 5, 18 inch Barrel, 1½ inch diameter, straight stream, 2 Roses, Knuckle Joint, and Improved Ball Valve " 9.00

Syringes can best be forwarded by Express.



HASELTINE'S HAND WEEDER.

A few minutes' use of this little tool in Onions, Strawberries, etc., will convince you that it is the best Weeder yet made.

Price, postpaid $0.50

GARDEN TROWELS.

Cast Steel Polished Blades and Rivetted Shanks, of superior workmanship and finish, 5, 6, 7 and 8 inches. Price, 15, 20, 20 and 25 cents each.

Add 6 cents each for postage.



EXCELSIOR WEEDING HOOK.

The handiest weeder ever invented. Its use prevents soiling the hands.

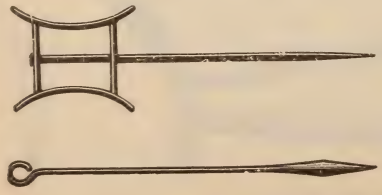
Price each $.20

Add 5 cents each for postage.

SILVER MILKING TUBES.

Price, including postage each $.75

Every owner of cows should keep one of these handy.



GARDEN REELS.

No. 1 Price each, 50c.
" 2 " " 75c.

GARDEN LINES.

Russia Flax, 110 feet long Price each, $1.00
Italian " 110 " " " " .75
Cotton Tanned, 90 " " " " .60

JOSEPH BRECK & SONS'

CHOICE MIXED

BIRD SEED.

For Sale by all Druggists and Grocers.

Each package contains a choice mixture of the best Sicily Canary, German, Rape, and Brown English Millet. The English Millet is far superior to the common American Millet, and is eagerly eaten by all birds.



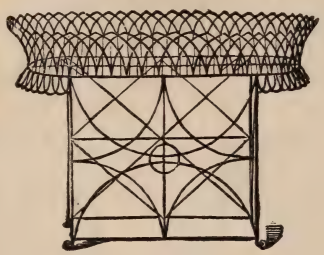
By the use of new and improved machinery, our Bird Seed is thoroughly cleaned, and each package automatically weighed. This insures absolute freedom from dust, and full weight. Our colored plate only shows one part of the package, the other sides are equally attractive.

If our brand of Bird Seed is not to be obtained in your town, send us 16c. to pay postage, and the name of your Grocer or Druggist, and we will mail to you a pound package free of expense.

WIRE FLOWER-POT STANDS.

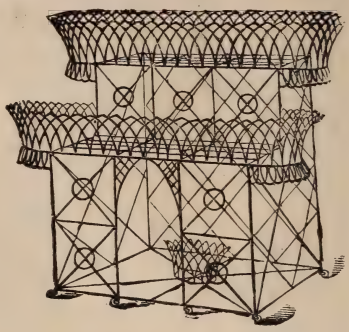
GREAT REDUCTION IN PRICE!

These Stands are most desirable either for household use or for conservatories and other purposes. They are elegantly made, painted a beautiful green, mounted on porcelain castors, and finished with gold bronze, making them very attractive and ornamental.



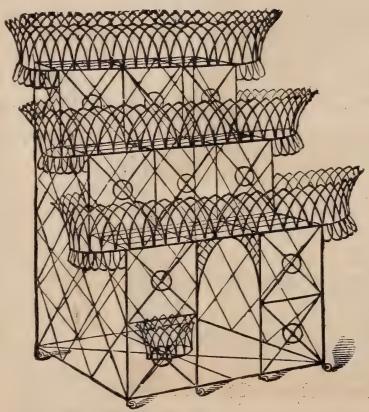
No. 1, $2.50.

Oblong Stand, 24 in. high, 30 in. long, 9½ in. wide.



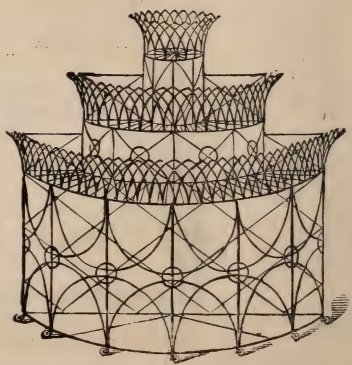
No. 2, $3.25.

Square Stand, with 2 shelves, 33 in. high, 18 in. deep, 33 in. long.



No. 3, $4.00.

Square Stand, with 3 shelves, 36 in. high, 24 in. deep, 33 in. long.



No. 4, $4.75.

Semi-circle Stand, 36 in. high, 26 in. deep.

Stands are always shipped as freight, and three or four may often be shipped as cheap as one.

Fertilizers.

STANDARD SUPER-PHOSPHATE.

MANUFACTURED BY THE STANDARD FERTILIZER COMPANY, DUXBURY, MASS.

This high-grade Fertilizer has acquired an enviable reputation because of its uniform quality, superior mechanical condition, and solubility. It is composed (in the proper proportions) of materials which form the most perfect combination of all the elements of plant food, and no ingredients of any sort are employed in its manufacture which do not add value to the finished product. The Standard Super-Phosphate is manufactured under the supervision of an experienced chemist (whose experience has been obtained not only in the laboratory, but by actual experiments with different crops and different soils), who has given many years of study to the subject of ascertaining what raw materials are best adapted to the manufacture of a high-grade Fertilizer. This Phosphate is unexcelled in fineness and dryness for drilling, and farmers who have found difficulty with their Fertilizers in this respect will save themselves much trouble and vexation by using the Standard. We can recommend the Standard as a complete Fertilizer, for it supplies all the required plant food elements for grain, grass, and general crops, in forms easily absorbed and assimilated.

The Standard Super-Phosphate while adapted to all crops, is especially recommended for Corn, Potatoes, and Seeding-down.

Send for descriptive pamphlet, mailed free on application.

PRICE: Per 50-lb. bag	$1.25
100 " "	2.25
200 " "	4.00
250 bbl. "	5.00

F. O. B. Boston, no charge for packages.

BRECK'S TOP DRESSING.

No matter how perfectly a pasture may be formed, its value cannot be maintained without the use of a proper Top Dressing. By its use very indifferent pastures may be brought to a high state of fertility; while on the other hand, the richest pastures, by a neglect of a proper Top Dressing, will soon become so unprofitable as to require a large outlay for many years before they can be brought back to their original value. We have given this matter a great deal of consideration and can specially recommend Breck's Top Dressing for mowing and pasture lands, and know that when properly used it will produce a larger amount of good hay, a more luxuriant herbage, as well as a correspondingly increased growth of strong healthy roots, which will stand better the drought of Summer or the cold of Winter, and in succeeding seasons yield larger crops of either grass or hay than would otherwise be produced. This Fertilizer is made especially for us, and as the analysis will show, is composed largely of chemicals which when applied to the surface do not evaporate or loose their virtue, as is the case when a Fertilizer composed of animal matter is applied.

Full directions are given on the tag which accompanies each bag.

PRICE: Per bag, 100 lbs	$2.50
" 200 "	4.50

BRECK'S LAWN AND GARDEN DRESSING.

We feel justified in recommending Breck's Lawn and Garden Dressing as being the best Fertilizer of this character ever introduced. This brand is manufactured especially for our trade, and we can therefore vouch for its containing all the constituents required to produce a growth of grass of a luxuriant nature, and rich, green color. *We call special attention to the fact that our Dressing is absolutely odorless*, which advantage we believe *is not enjoyed by any other Lawn Fertilizer*, and is also so clean that the most fastidious person can apply it without offending the organs of sight or smell. It being quick in action, the effect can be seen immediately after the first rain or sprinkling by the hose, and going directly to the roots of the grasses stimulates them to greater activity, thereby thickening the sward and producing a firmer growth which remains rich, green, and velvety throughout the season. Its superiority over stable manure can scarcely be estimated, as the latter, in addition to disfiguring the Lawn by its unsightly appearance, gives out an unpleasant odor, and always contains weeds and other undesirable seeds. Great care should be exercised to distribute the Dressing evenly, and not in greater quantities than recommended, as a

too liberal application will injure the sward. It can be applied in the Spring and Autumn, or as often as the grass seems to need nourishment. In making new Lawns apply same time the seed is sown and rake in with the seed. Never apply the Dressing while the grass is wet with dew or rain. Any time the grass is dry will answer, but the best time to apply is just before a shower.

Trial bags for 1,000 square feet.....$0.50 50-lb. bags for 5,000 square feet.....$1.75
" " " 2,500 " " 1.00 100 " " ¼ acre..... 3.00

BRECK'S LAWN-GARDEN DRESSING.

FOR FLOWER BEDS AND THE KITCHEN GARDEN.

The Lawn-Garden Dressing being made as a general garden Fertilizer, is equally as suitable for flower beds and all vegetable crops as for the lawn. It contains all the elements of plant food in a highly concentrated form, and it is not only cheaper than stable manure, but it will produce as large crops of much *better quality* and an *earlier growth*. Any one who grows flowers or vegetables should give it a trial.

25-lb. bags for 600 square feet.....$1.00 100-lb. bags for 2,500 square feet.....$3.00
50 " " " 1,200 " " 1.75 200 " " " ⅛ acre..... 5.00

PURE GROUND BONE.

3 to 4 per cent. Ammonia, 20 to 25 per cent. Phosphoric Acid. This is an excellent quality of bone, absolutely pure, and ground *very fine*. We warrant it to be pure and as good bone as is sold in any market.

PRICE: Per ton, in bbls. of about 225 lbs. each..... $38.00
" lb., single bbls..... .02

BONE MEAL FOR CATTLE.

An article that every owner of stock should use to feed. This is made from clean bones ground fine and perfectly sweet.

PRICE: Per ton, in bbls. of about 225 lbs. each..... $50.00
" lb., in quantities less than one bbl..... .04

CHICKEN BONE.

Ground coarse, like rice; is just the thing to feed to your fowls during the Winter months.

PRICE: Per ton, in bbls. of about 225 lbs. each..... $50.00
" lb., in less quantities less than one bbl..... .04

PERUVIAN GUANO.

For forcing early vegetables, or second garden crops, the brand "No. 1, Guaranteed," Peruvian Guano, is especially recommended. It is generally used by florists, and nothing is better for house plants than a weak solution applied once or twice a week.

PRICE: Per ton, in 200 lb. bags..... $60.00
" 200-lb. bag..... 6.00
" 100-lb. bag..... 4.00
" 1-lb. package..... .10

BRECK'S FOOD FOR PLANTS.

This is a Fertilizer made expressly for plants grown in the house, garden, or conservatory, and we cannot recommend it too highly for this purpose. Ladies and others who take pleasure in window gardening will find this Fertilizer free from odor, clean to handle, and in addition to keeping the plants free from vermin, promotes in them a strong, healthy growth and early and abundant blossoms. Our Food for Plants will keep any length of time, and being immediately soluble and ready for the plants to take up, produces a much quicker and healthier growth, earlier and more abundant blossoms of a richer and more brilliant coloring than can be produced by stable manure, guano, or any other dressing that has ever been prepared.

PRICE: Trial packages..... $0.20
Regular packages..... .30

Insecticides, Farm & Garden Requisites.

SLUG



SHOT.

Hammond's Slug Shot is the most valuable Insecticide ever offered to Farmers and Gardeners, being fatal to insect life in every form in which they are injurious to vegetation.

It is in the form of an impalpable powder, containing agents that will positively destroy the Cut Worm, Potato Bug, Chinch Bug, Rose Bug, Rose Slug, Curculio, and all Lice, Worms, or Caterpillars upon Melons, Cucumbers, Squash, or Grape Vines, Tobacco, Cotton, or Egg Plants, Currants, Fruit, or Ornamental Trees, and all Shrubs and Flowering Plants. It is especially destructive to the *Currant* and *Cabbage* Worm.

Slug Shot not only acts as an insect-destroyer, but it will be found to be an excellent fertilizer, as plants upon which it is used will be found to grow and look much finer than those upon which it is not. It contains nothing injurious to domestic animals, and does not deteriorate by age.

On low-growing plants it should be dusted on with a very fine sifter. On tall shrubs and trees it should be applied with the Double or Single Cone Bellows.

PRICE: 5-lb. Package, ...	$0.30
10-lb. "	.50
In Barrels of about 225 lbs., per lb., ...	.04
Tin Dusters, with finely perforated bottoms for applying Slug Shot, each, .	.25
Bellows, for applying Slug Shot, 3 sizes, each, ...	$0.75, $1.25, $2.00

Soluble Fir-Tree Oil, an invaluable preparation for destroying all insects and parasites that infest Fruit Trees, Plants, and Animals, whether on the foliage or at the roots of the plants. Soluble Fir-Tree Oil unquestionably answers every purpose as an insecticide on all house plants. Does not contain any poisonous properties, being perfectly harmless to the hands and skin when used as an insecticide, or when applied for destroying parasites on animals or man, and when used as a wash for dogs and other animals. Quart, $1.50; pint, 75 cents.

Whale-Oil Soap, an effectual remedy for destroying and preventing insects on Plants, Trees, Vines, etc., for washing down the bark of Trees, Grape Vines, etc. In boxes, with directions. Three sizes, 35 cts., 60 cts., and 80 cts. each. Only the two small sizes are mailable, 60 cts. and $1.20. Quantities of 25 lbs., 10 cents per lb.

Hellebore, for destroying *Rose Slugs.* One or two applications are usually sufficient for a season, and it is thoroughly effective. With directions. Per lb., 40 cts.; by mail, 60 cts.

Excelsior Insect-Powder Gun, for applying Hellebore, or other Insect Powders. Very handy. Price: each, 25 cts.; per doz., $2.50.

Pinner's Tobacco Soap, manufactured from the essential oil of tobacco. A convenient and potent specific for the destruction of all insects, parasites, and their eggs, infesting either plants or animals. Per lb., 50 cts.; ½ lb., 30 cts.

Pyrethrum Roseum, or Dalmation Insect Powder, for destroying *Roaches, Ants, Fleas,* and all other noxious *Insects.* Per lb., 60 cts.; by mail, 80 cts.

Breck's Strictly Prime Paris Green, for destroying potato bugs. It is effectual for destroying that pest. Directions for use with each package. Per lb., 30 cts.; by mail, 50 cts.

London Purple, for destroying potato bugs. Directions with each package. Per lb., 30 cts.; by mail, 50 cts.

Pure Flour of Sulphur, a preventive and cure for mildew on grape vines, rose bushes, etc., in or out door, and for the destruction of insects on plants. Per lb.. 10 cts.; by mail, 30 cts.

Tobacco Stems, for fumigating plants to destroy insects, and, if used every week or two, it not only destroys the insects but promotes a healthy growth of the plants. Per lb., 10 cts.; in bales of about 250 lbs., $3.50.

Eureka Fumigators, for burning tobacco stems. Cool, safe, effective; entirely self-acting, will not flare up, and may be left in the house with perfect safety. Price: 12 in., $2.00; 16 in., $3.00; 20 in., $4.00.

Bates' Folding Plant Protector, for protecting plants from vermin, and from light Spring frosts and high winds. Facilitates the growth of young plants wonderfully. Each, 15 cts.; per doz., $1.50.

Rubber Plant Sprinkler, an indispensable article for showering plants, sprinkling bouquets, and dampening clothes. Price: each, $1.00; by mail, $1.25.

Canker Worm Exterminator (Morrill's Tree Ink), a sure protection to Trees from the ravages of grub and canker worm. Directions with each can.

5-lb. Cans, . . .	$0.60	28-lb. Cans, . . .	$2.80	Tarred Paper for using	
10-lb. " . . .	1.10	125-lb. Kegs, per lb., .	.09	with the Ink, in rolls	Per lb.
20-lb. " . . .	3.00	460-lb. Barrels, " .	.07	about 50 lbs. each, .	$0.04

Grafting Wax (Trowbridge's), the best in the market. Put up in 1-lb., ½-lb., and ¼-lb. packages. Price: per lb., 40 cts.; ½-lb, 25 cts.; ¼-lb., 15 cts.

Roffea, a strong and cheap tying material for plants. We recommend it very strongly. Per lb., 60 cts.

Cuba Bast, for tying plants. Per lb., 50 cts.

Flower Stands, useful and cheap, for arranging plants either indoors or out. Half-circle shape; 3 feet 2 inches in height; 3 shelves; made very firmly of ash, and varnished. Each, $1.25.

Rustic Work, very ornamental. The different articles are made of natural roots and knots: very durable and artistic:

Hanging Baskets,	8 in.	9 in.	10 in.	11 in.	12 in.
Each,	$0.80	$0.90	$1.00	$1.20	$1.30
Window Boxes,	18 in.	24 in.	30 in. long.		
Each,	$1.20	$1.50	$2.00		
Hexagon Stands, height 26 and 31 inches.					
Diameter,	14 in.	16 in.	20 in.		
Each,	$1.70	$2.50	$3.00		

Oblong Stands, Height,	24 in.	28 in.	31 in.
Length,	18 "	24 "	28 "
Each,	$2.50	$3.00	$5.00

Arm Chair, No. 3. Each, $5 50

Rustic Settee,			
Length of seat,	2½ ft.	3½ ft.	4½ ft.
Each,	$6.00	$7.00	$8.00

Cedar Plant Tubs, for growing Agaves, Century, and other large plants, made of the best 1-inch red cedar; painted green; iron handles:

	Dia.	Depth.	Each.
No. 1, ...	28	x 22,	$7.00
" 2, ...	26	x 20,	6.25
" 3, ...	24	x 18½,	5.50
" 4, ...	22	x 17,	4.75
No. 5, ...	20	x 16,	$4.00
" 6, ...	18½	x 15,	3.25
" 7, ...	16½	x 14,	2.50
" 8, ...	15½	x 13,	2.25

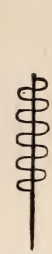
Straw Mats, for covering hot-beds, etc. Made of the best wheat straw. Each, $2.00, 6 x 6 ft. Any other size to order.

Improved Butter Color (Wells & Richardson's), pure, natural, permanent, imparts the "golden tint of June" to butter at all seasons of the year. Bottle sufficient for 500 lbs., 25 cts.; for 1,250 lbs., 50 cts.

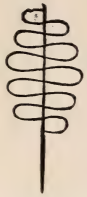
Carbolic Purifying Powder, the best disinfectant known for removing all disagreeable or unhealthy odors. Trial package, 25 cts.; 6-lb. package, $1.00.

Gargetine. This is an article of great value to all dairymen and farmers. It is an internal remedy; easy to administer; safe, and reliable. Will reduce swelling in the udders; remove bunches; cure bloody and stringy milk, and any of the usual manifestations of the disease. If taken in time (before the cow comes in) will restore blind teats to their full extent. Plain and explicit instructions for using accompany each box. In boxes containing 10 doses, $1.00.

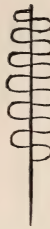
TRELLISES.



No. oo.



No. oo wide.



No. o.



No. o wide.



No. o½.



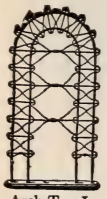
Ivy Trellis.



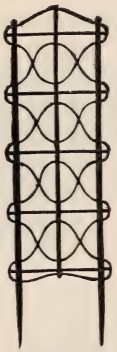
Fan Trellis.

	Each.	Per doz.
No. oo 18-in. stick, 3½-in. wide,	$0.05	$0.50
" oo wide, 20-in. st'k, 8-in. wide,	.08	.75
" o, 24-in. stick, 5-in. wide,	.08	.75
" o wide, 24-in. stick, 8-in. wide,	.10	1.00
" o½ 24-in. stick, 7½-in. wide,	.15	1.50
Ivy Trellis.— 16-in. diameter,	.50	5.00
" 20 " "	.60	7.00
" 24 " "	.75	9.00

	Each.	Per doz.
Fan Trellis.— 1½ ft.,	$0.10	$1.00
" 2 "	.15	1.50
" 2½ "	.20	2.00
" 3½ " x 21 in.,	.50	5.00
" 4 " x 27 "	.50	6.00
" 5 " x 32 "	.75	8.00
" 6 " x 38 "	.75	9.00
" 7 " x 42 "	1.00	11.00
" 8 " x 46 "	1.00	12.00



Arch Top Ivy.



Veranda Trellis.



No. 2. No. 3½. No. 1.



Bow Trellis.



Cross.

	Each.	Per doz.
Arch Top Ivy.		
28 x 14 in., black walnut base,	$1.00	$10.00
Bow Trellis.		
No. 1, 30 x 10 in.,	$0.20	$2.00
" 2, 30 x 14 "	.30	3.50
" 3, 36 x 12 "	.40	4.00
" 3½, 42 x 14 "	.45	4.50
" 4, 48 x 15 "	.50	5.00
" 5, 60 x 18 "	.60	6.50
" 6, 72 x 20 "	.75	8.00
Cross Trellis.		
24 x 15½ in.,	$0.30	$3.00
42 x 24 "	.40	4.50

	Each.	Per doz.
Veranda Trellis.		
2 ft.,	$0.30	$3.00
3 "	.40	4.00
4 "	.50	5.00
5 x 1½ "	.70	8.00
6 x 1½ "	.80	9.50
7 x 1½ "	.95	11.50
8 x 1½ "	1.10	13.00
9 x 1⅔ "	1.25	15.00
10 x 1⅔ "	1.50	18.00
11 x 2 "	1.75	21.00
12 x 2 "	2.00	24.00

SQUARE PLANT STICKS.

FOR POT OR GARDEN USE. (Painted Green.)

5 ft. long X 5/8 in. dia.
4 ft. X 3/16 in. "
3½ ft. X 9/16 in. "
3 ft. X 1/2 in. "
2½ ft. X 3/16 in. "
2 ft. X 3/8 in. "
1½ ft. X 5/16 in. "

2-feet sticks,	. .	Per 100,	$1.50
2½ "	. .	"	2.00
3 "	. .	"	3.00
4 "	. .	"	4.00
5 "	. .	"	5.00
6 "	. .	"	7.00

ROUND PLANT STICKS.

1½-feet (round, painted),	. .	Per 100,	$1.00	3½-feet (round, painted), . .	Per 100, $5.00
2 " "	. .	"	2.00	4 " " . .	" 6.00
2½ " "	. .	"	3.00	5 " " . .	" 7.00
3 " "	. .	"	4.00	6 " " (heavy) Dahlia,	" 12.00

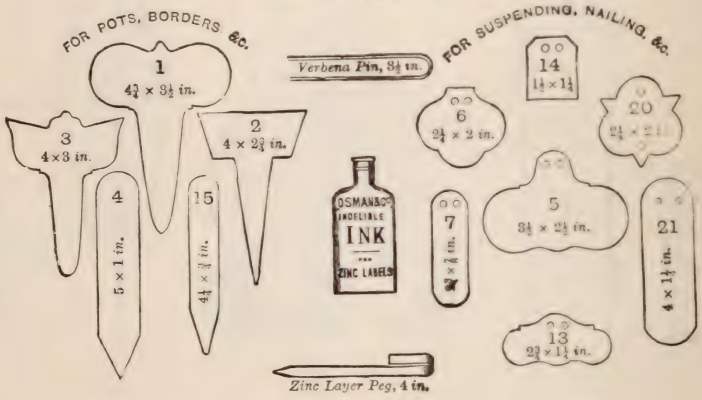
WOOD POT LABELS.

4-inch, per 100, 25c.	. .	Per 1000,	$1.00	6-inch, per 100, 25c. . .	Per 1000, $1.50
5 " " 25c.	. .	"	1.25	3½ " tree (pierced) per 100, 25c.	" 1.00

Boxes containing 400 assorted sizes, $1.00.

The above painted white, ready for writing on, 25 cts. per 1000 extra.

ZINC LABELS.



FOR GARDEN, GREENHOUSE, AND OTHER PURPOSES.

These tags will be found far more economical than the common wooden ones, and are a useful and neat appendage to Plants, Trees, etc. The ink, when used with a clean quill or pointed stick, marks a jet black, and weather or time has no effect on the writing. The marking may be erased by Emery paper, and the name on the tag changed as may be desired.

PRICES OF ZINC LABELS FOR POTS, BORDERS, &c.					PRICES OF ZINC LABELS FOR SUSPENDING, NAILING, &c.						
No. 1.	No. 2.	No. 3.	No. 4.	No. 15.	No. 5.	No. 6.	No. 7.	No. 13.	No. 14.	No. 20.	No. 21.
Per 100.	Per 100.	Per 100.	Per 100.	Per 100.	Per 100.	Per 100.	Per 100.	Per 100.	Per 100.	Per 100.	Per 100.
$2.00	$1.35	$1.75	$1.35	$1.00	$1.75	$1.00	$0.90	$1.00	$0.75	$1.00	$1.75

VERBENA PINS—3½-in., per 100, $0.45. LAYER PEG—4-in., per 100, $0.50.

INDELIBLE INK—Small, per bottle, $0.20; large, per bottle, $0.35.

FLOWER POTS, SEED PANS, ETC.

The measurement is from outside to outside.



Not less than 50 of a size supplied at the 100 rate.

PACKING CHARGED EXTRA.

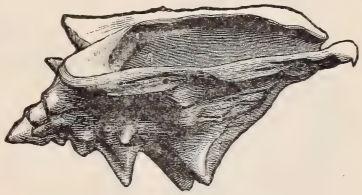
Flower Pots.			Saucers.		Flower Pots.			Saucers.		Round Seed Pans.		Square Seed Pans	
Size. Inches.	Price Each.	Price Per 100.	Price Each.	Price Per 100.	Size. Inches.	Price Each.	Price Per 100.	Price Each.	Price Per 100.	Size. Inches.	Price Each.	Size. Inches.	Price Each.
2½	$0.01	$0.70			7	$0.08	$7.00	$0.04	$3.25			12 in. square 2½ deep,	$0.30
3	.02	1.00			8	.10	9.00	.04	3.50	6	$0.07		
3½	.02	1.30			9	.13	12.00	.05	4.00	8	.11		
4	.02	1.75	$0.02	$1.50	10	.16	15.00	.06	5.00	10	.16		
5	.04	3.00	.03	2.00						12	.21	12	.40
6	.05	4.50	.04	3.00								4	

FANCY HANGING POTS.



No. 16.

No. 16, 7 in., . . per doz., $2.50
" 8 in., . . " 3.00
" 9 in., . . " 3.50



No. 32.

No. 32, Conch Shell, . per doz., $1.00.



No. 18.

No. 18, 7 in., per doz., $3.00
" 8 in., " 4.00
" 9 in., " 5.00



Hanging Pot Chains.

Patent Extension Hanger:

	Per doz.
No. 116, Steel,	$1.80
No. 117, Brass,	2.00

Brass Jack Chain:

No. 118, 3 strand, $2.00
No. 119, 4 " 2.00



No. 90.

No. 90, 9-in., . per doz., $5.00

AGRICULTURAL AND HORTICULTURAL BOOKS.

		Publisher's Prices.	J. Breck & Sons' Net Cash Prices.
THE GARDEN.			
Gardening for Profit,	Henderson,	1.50	1.35
Gardening for Pleasure,	Henderson,	1.50	1.35
Ornamental Gardening,	E. A. Long,	2.00	1.80
Money in the Garden,	Quinn,	1.50	1.35
Play and Profit in My Garden,	Roe,	1.50	1.35
Gardeners' Text Book (Veg. Gardening),	Schenck,	.75	.68
Window Flower Garden,	Heinrich,	.75	.68
Practical Floriculture,	Henderson,	1.50	1.35
Handbook of Plants,	Henderson,	3.00	2.70
Parsons on the Rose,	Samuel B. Parsons,	1.50	1.35
Your Plants, and How to Grow Them,	Sheehan,	.40	.36
Bulbs and Bulb Culture,	T. D. Fish,	2.00	1.80
Mushrooms for the Million,	Wright,	.75	.68
FOREST.			
Fuller's Practical Forestry,	S. Fuller,	1.50	1.35
The Forester,	James Brown,	10.00	9.00
Hedges and Evergreens,	Warder,	1.50	1.35
Book of Evergreens,	Hoopes,	3.00	2.70
FRUIT.			
Barry's Fruit Garden,		2.50	2.25
Fruit Culture,	W. C. Strong,	1.00	.90
Grape Growers' Guide,	Chorlton	.75	.68
Fruits and Fruit Trees of America,	Downing,	5.00	4.50
Small Fruit Culturist,	Fuller,	1.50	1.35
Grape Culturist,	Fuller,	1.50	1.35
Strawberry Culture,	Fuller,	.20	.18
Peach Culture,	Fulton,	1.50	1.35
Pear Culture,	Quinn,	1.00	.90
Cranberry Culture,	White,	1.25	1.13
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Allen's New American Farm Book,	Richard L. Allen,	2.50	2.25
Farming for Profit,	John E. Read,	3.75	3.38
French's Farm Drainage,	Judge French,	1.50	1.35
How the Farm Pays,	P. Henderson and W. Crozier,	2.50	2.25
Facts for Farmers, 1100 pages,	Solon Robinson,	5.00	4.50
Silos and Ensilage,	George Thurber,	.50	.45
Yankee Farming,	"Timothy Bunker, Esq.,"	1.50	1.35
Farm Implements and Machinery,	Thomas,	1.50	1.35
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American Cattle,	Allen,	2.50	2.25
The Pig,	Harris,	1.50	1.35
Youatt on Sheep,	Wm. Youatt,	1.00	.90
American Dairying,	Arnold,	1.50	1.35
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Poultry Yard and Market,	Corbett,	.50	.45
Artificial Incubation,	Halstead,	.75	.68
An Egg Farm,	Stoddard,	.75	.68
Practical Poultry Keeper,	Wright,	2.00	1.80
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Insects Injurious to Vegetation, 640 pages,	Harris,	6.50	5.85
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Injurious Insects of the Farm and Garden,	Treat,	2.00	1.80
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Book of Birds,	Holden,	.25	.23
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